

INNOVATIVE MARINE TESTING EQUIPMENT



WATER CONDITION MONITORING

OIL CONDITION MONITORING

FUEL CONDITION MONITORING



About us

We at Water-i.d.® are proud to present our new Marine catalogue, with a comprehensive variety of products for all kinds of condition monitoring in different sectors and industries. Over 150 types of reagents (tablets, powders, tube tests), photometers, fuel- and lubricant test devices, pool testers, test strips, comparators, mini-kits, electronic meters and bacterial tests are part of the Water-i.d.® product range.

With almost 20 years of experience, Water-i.d.® is always aiming to combine modern technology with established test procedures. By doing so, Water-i.d.® has been awarded several times and by various bodies for its innovative strength. Whether tablet press-through blisters, photometers with Bluetooth® and WiFi, app, software and cloud connection, the latest photometer sensor technology with 18 wavelengths or the FlexiTester®, a cost-effective combination of pool tester and comparator; All these were and are innovative accents that Water-i.d.® has been able to set in the marine analysis industry.



Water-i.d.®'s production and headquarters are based near to Karlsruhe in the South West of Germany. The various Water-i.d.® subsidiaries are located in the UK (Blaenavon), in Russia (Moscow), in the USA (Somerset/NJ), in India (Thane) and in the United Arab Emirates (Sharjah). The Water-i.d.® distribution network stretches all over the world covering all continents and various industries. This allows Water-i.d.® to offer the best service for you, our valued customer, in your region. Water-i.d.® is ISO 9001:2015 certified and stands for quality reagents, made in Germany.

Tim Damrau
(Director of marine department | Project development manager)

WATER CONDITION MONITORING



OIL CONDITION MONITORING



FUEL CONDITION MONITORING



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PRIMELAB 2.0

THE ULTIMATE PHOTOMETER



MORE THAN 140 PARAMETERS

18 WAVELENGTHS (410-940 NM)

5.5" COLOUR HD TOUCH DISPLAY

CAMERA (QR-CODE SCANNER)

USB TYPE-C*

WiFi, USB, 4G, BLUETOOTH®**

PROBE-CONNECTOR (PH|EC|TDS|TEMP|ORP)

- WATER**
- OIL**
- FUEL**

The next generation of photometers – the PrimeLab 2.0, developed by Water-i.d.®. High-precision readings due to 18 parallel wavelengths, WiFi-USB-Bluetooth®-GSM** connection, powerful software and app, synchronised via a free cloud service, large HD touch display and the possibility to connect electrodes are just some of the features of the new PrimeLab 2.0, which replaces the proven PrimeLab 1.0 from 2013. While conventional photometers only perform tests at selected wavelengths, the Primelab can also receive data from 18 different wavelengths in parallel and thus covers the most important parts of the UV and IR range as well as the entire VIS range.

Corresponding LEDs are positioned at both 180° and 90° to also allow NTU turbidity, PTSA and fluorescein measurements. Very narrow peaks between 390 and 950 nm enable the most accurate readings, close to the performance of a spectrophotometer.

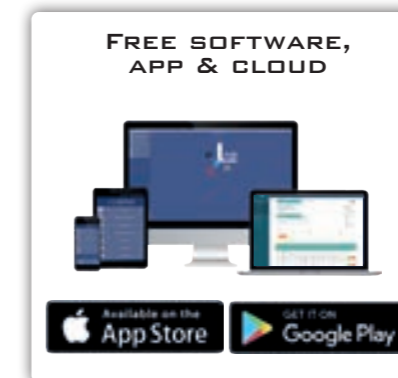
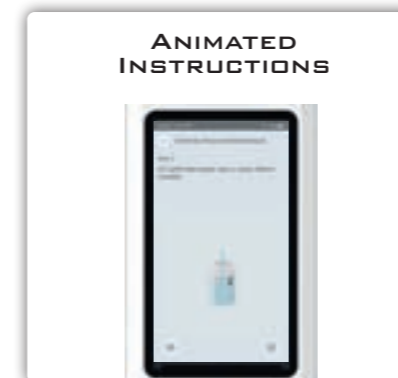
The highly professional PrimeLab 2.0 firmware interpolates between the different wavelengths, while some parameter curves are set to use multiple wavelengths to obtain the most accurate test results. For each individual parameter method, there are step-by-step instructions in many different languages, as well as useful animations and links to user videos to ensure that the correct and proper procedure is followed. Like the PrimeLab 1.0, the PrimeLab 2.0 offers a flexible parameter setup with all the options to upgrade as needed. The PrimeLab 2.0 offers more than 140 different parameters/methods, covering the needs of many different industries. With its built-in camera, the PrimeLab 2.0 offers the ability to scan QR-codes to identify sampling points set up by the user and to identify reagents with QR-code on the packaging.



Advantages of these options are:

- Scanning the QR-code of a sampling site ensures that you always link the test results you receive to the correct sampling point. This shortens the testing process as the associated sampling point is automatically selected.
- Scanning QR-codes on reagent packaging prevents the wrong or even expired reagents from being used and speeds up the testing process by pre-selecting the parameter method.

Over time, parameter analysis has become much more than just a test. Real-time availability of reliable test results and data management are as important as the test results themselves. The PrimeLab 2.0 is the ultimate in connectivity! With WiFi-USB-GSM**(via USB modem) there are several ways to connect the PrimeLab 2.0 to a smartphone, tablet, computer or directly to the LabCOM® cloud. Wherever the tests are carried out, whether it is in the lab, on site or on a ship, inside a cooling tower – in fact anywhere – the data can be transferred easily and automatically.



*for charging, data transfer, probe connection and 4G** modem **via USB Internet stick | Accessories | possibly subject to a charge for connection

Compose your own kit according to your demand. It's that easy:



Basic Kit:

- 1 x PrimeLab 2.0 photometer
- 1 x Grey plastic case with foam insert
- 4 x 24mm|10ml glass cuvettes
- 1 x Light protection cap
- 1 x 10ml syringe
- 1 x Plastic stirring rod
- 1 x leaning brush
- 1 x DC adapter (110|220V) with international plugs & USB cable
- 1 x Fully printed manual



Parameters:

Select as many parameter methods as you like from the more than 140 available. Don't worry about missing a parameter, because you can always purchase a code to activate more parameters. PrimeLab software and app are updated via the internet and always give you the most up-to-date list of available parameters so your PrimeLab always stays up to date!

You can view the latest parameter list at www.primelab.org



Reagents | Accessories:

Select reagents according to the selected parameters. Add accessories, e.g. more cuvettes, stirring rods, professional pipettes, adapters for different cuvette sizes and much more.





PRIMELAB 2.0 – LIST OF PARAMETERS

| Item-Code | Parameter | Measurement Range | Resolution | Reagent* |
|-----------|--------------------------------|-------------------|------------|----------|
| PLPar1 | Active Oxygen | 0 – 40 mg/l | 0.1 | T |
| PLPar5 | Alkalinity–M | 5 – 200 mg/l | 1 | T |
| PLPar121 | Alkalinity–M (HR) | 0 – 500 mg/l | 1 | T |
| PLPar6 | Alkalinity–P | 25 – 300 mg/l | 1 | T |
| PLPar4 | Aluminium | 0 – 0.3 mg/l | 0.01 | T |
| PLPar185 | Aluminium-in-Oil** | 0 – 100 mg/l | 1 | L + T |
| PLPar2 | Ammonia (LR) | 0 – 1 mg/l | 0.01 | PP |
| PLPar155 | Ammonia (HR) | 1 – 50 mg/l | 0.1 | TT + PP |
| PLPar188 | BN (photometric)** | 5 – 150 mgKOH/l | 1 | L + T |
| PLPar7 | Boron | 0 – 2 mg/l | 0.1 | T |
| PLPar8 | Bromine | 0 – 18 mg/l | 0.01 | T |
| PLPar63 | Bromine | 0 – 18 mg/l | 0.01 | L + P |
| PLPar128 | Bromine | 0 – 4.5 mg/l | 0.01 | PP |
| PLPar71 | Carbohydrazide | 0 – 1.3 mg/l | 0.01 | L |
| PLPar95 | Chloramines | 0.00 – 8.00 mg/l | 0.01 | T |
| PLPar10 | Chloride | 0.5 – 25 mg/l | 0.1 | T |
| PLPar124 | Chloride | 0 – 100 mg/l | 0.1 | L |
| PLPar167 | Chloride in Methanol | 0 – 20 mg/l | 0.01 | L |
| PLPar11 | Chlorine (free–combined–total) | 0.00 – 8.00 mg/l | 0.01 | T |
| PLPar12 | Chlorine (free–combined–total) | 0.00 – 8.00 mg/l | 0.01 | L |
| PLPar129 | Chlorine (free–combined–total) | 0.00 – 8.00 mg/l | 0.01 | PP |
| PLPar122 | Chlorine (MR) | 0.00 – 10.00 mg/l | 0.01 | T |
| PLPar14 | Chlorine (HR) | 5 – 200 mg/l | 1 | T + PP |
| PLPar15 | Chlorine (HR) | 0 – 200 mg/l | 1 | L |

*T = Tablets | L = Liquids | P = Powder | PP = Powder Pillow | TT = Tube Tests | O = Other Reagents
** Coming soon: Available in 11/22

| Item-Code | Parameter | Measurement Range | Resolution | Reagent* |
|-----------|---------------------|-------------------|------------|----------|
| PLPar16 | Chlorine Dioxide | 0 – 15 mg/l | 0.01 | T |
| PLPar64 | Chlorine Dioxide | 0 – 15 mg/l | 0.01 | L |
| PLPar130 | Chlorine Dioxide | 0 – 5 mg/l | 0.01 | PP + L |
| PLPar108 | Total Oxidant | 0 – 4 mg/l | 0.01 | L |
| PLPar106 | Chlorite | 0 – 8 mg/l | 0.01 | L |
| PLPar94 | Chromium | 0 – 2.2 mg/l | 0.01 | T + PP |
| PLPar103 | Chromium | 0 – 1 mg/l | 0.01 | P + L |
| PLPar79 | COD (LR) | 0 – 150 mg/l | 1 | TT |
| PLPar80 | COD (MR) | 0 – 1500 mg/l | 1 | TT |
| PLPar17 | COD (HR) | 0 – 15000 mg/l | 1 | TT |
| PLPar107 | Colour (Hazen/APHA) | 15 – 500 mg/l | 1 | -- |
| PLPar18 | Copper | 0 – 5 mg/l | 0.01 | T |
| PLPar19 | Copper | 0 – 5 mg/l | 0.01 | P |
| PLPar187 | Copper-in-Oil** | 0 – 50 mg/l | 0.1 | L + T |
| PLPar158 | Cyanide | 0.01 – 0.50 mg/l | 0.01 | P + L |
| PLPar20 | Cyanuric Acid | 2 – 160 mg/l | 1 | T |
| PLPar65 | DBNPA | 0 – 13 mg/l | 0.01 | L |
| PLPar82 | DBNPA | 0 – 13 mg/l | 0.01 | T |
| PLPar21 | DEHA | 20 – 1000 µg/l | 1.0 | L |
| PLPar163 | Dissolved Oxygen | 0 – 10 mg/l | 0.1 | L |
| PLPar70 | Erythorbic Acid | 0 – 3.5 mg/l | 0.01 | L |
| PLPar113 | Fluorescein | 0 – 500 µg/l | 1 | -- |
| PLPar180 | Fluoride (SPADNS) | 0 – 2 mg/l | 0.01 | L |
| PLPar78 | Hardness–Calcium | 0 – 500 mg/l | 1 | T |



PRIMELAB 2.0 – LIST OF PARAMETERS

| Item-Code | Parameter | Measurement Range | Resolution | Reagent* |
|-----------|--------------------------------------|--------------------------|------------|----------|
| PLPar166 | Hardness–Calcium | 0 – 500 mg/l | 1 | L |
| PLPar9 | Hardness–Calcium (HR) | 50 – 1000 mg/l | 1 | T |
| PLPar56 | Hardness–Total (LR) | 2 – 50 mg/l | 1 | T |
| PLPar148 | Hardness–Total (HR) | 0 – 500 mg/l | 1 | L |
| PLPar57 | Hardness–Total (HR) | 20 – 500 mg/l | 1 | T |
| PLPar23 | Hydrazine | 5 – 600 µg/l | 1 | L |
| PLPar160 | Hydrocarbons in Methanol (tank wash) | yes/no | 1 | -- |
| PLPar66 | Hydrogen Peroxide (LR) | 0 – 3.8 mg/l | 0,01 | L |
| PLPar24 | Hydrogen Peroxide (LR) | 0 – 3.8 mg/l | 0,01 | T |
| PLPar25 | Hydrogen Peroxide (HR) | 0 – 200 mg/l | 1 | L |
| PLPar162 | Hydrogen Peroxide (HR) | 0 – 200 mg/l | 1 | T |
| PLPar109 | DEWAN–50 | 0 – 300 mg/l | 1 | L |
| PLPar26 | Hydroquinone | 0 – 2.5 mg/l | 0,01 | L |
| PLPar27 | Iodine | 0 – 28 mg/l | 0,01 | T |
| PLPar67 | Iodine | 0 – 28 mg/l | 0,01 | L |
| PLPar28 | Iron (LR) | 0 – 1 mg/l | 0,01 | T |
| PLPar29 | Iron (MR) | 0 – 10 mg/l | 0,01 | P |
| PLPar127 | Iron (MR) Ferrous | 0 – 10 mg/l | 0,01 | P |
| PLPar30 | Iron (HR) | 0 – 30 mg/l | 0,01 | L |
| PLPar132 | Iron total | 0 – 3 mg/l | 0,01 | PP |
| PLPar171 | Iron-in-Oil | 20 – 450 mg/l | 1 | L + T |
| PLPar88 | Isothiazolinone | 0.0 – 10.0 mg/l | 0,01 | L |
| PLPar147 | Legionella | 60 – 10 ⁵ cfu | 1 | O |
| PLPar93 | Magnesium | 0 – 100 mg/l | 1 | T |

*T = Tablets | L = Liquids | P = Powder | PP = Powder Pillow | TT = Tube Tests | O = Other Reagents

| Item-Code | Parameter | Measurement Range | Resolution | Reagent* |
|-----------|--|-------------------|------------|----------|
| PLPar161 | Manganese VLR | 0 – 0.030 mg/l | 0.001 | T |
| PLPar31 | Manganese | 0.2 – 5 mg/l | 0.1 | PP |
| PLPar69 | Methylethylketoxime | 0 – 4.1 mg/l | 0.01 | L |
| PLPar96 | Molybdate (LR) | 0 – 15 mg/l | 0.01 | T |
| PLPar33 | Molybdate (HR) | 5 – 200 mg/l | 0.1 | L |
| PLPar32 | Molybdate | 1 – 100 mg/l | 0.1 | T |
| PLPar134 | Molybdate (HR) | 0 – 40 mg/l | 0.1 | P |
| PLPar90 | Nickel (HR) | 0 – 7 mg/l | 0.1 | T |
| PLPar100 | Nickel (HR) | 0 – 10 mg/l | 0.1 | L |
| PLPar34 | Nitrate | 0.00 – 11.00 mg/l | 0.1 | P + L |
| PLPar169 | Nitrate (HR) | 1 – 100 mg/l | 1 | PP |
| PLPar35 | Nitrite (LR) | 0 – 0.5 mg/l | 0.01 | PP |
| PLPar36 | Nitrite (HR) | 5 – 200 mg/l | 0.1 | P |
| PLPar97 | Nitrite (HR) | 0 – 1500 mg/l | 1 | T |
| PLPar101 | Nitrite (HR) | 0 – 3000 mg/l | 1 | L |
| PLPar151 | Nitrogen–Total (LR) | 0.5 – 25 mg/l | 0.1 | TT + PP |
| PLPar152 | Nitrogen–Total (HR) | 5 – 150 mg/l | 1 | TT + PP |
| PLPar37 | Ozone | 0 – 5.4 mg/l | 0.01 | T |
| PLPar92 | Ozone | 0 – 5.4 mg/l | 0.1 | L |
| PLPar164 | Peracetic Acid (LR) | 0.00 – 10.00 mg/l | 0.01 | T |
| PLPar165 | Peracetic Acid (HR) | 0 – 300 mg/l | 1 | T + PP |
| PLPar159 | Permanganate Time Test in Methanol (tank wash) | 0 – 100 %T | 0.1 | L |
| PLPar40 | pH–value (LR) | 5.2 – 6.8 pH | 0.01 | T |
| PLPar38 | pH–value (MR) | 6.5 – 8.4 pH | 0.01 | T |



PRIMELAB 2.0 – LIST OF PARAMETERS

| Item-Code | Parameter | Measurement Range | Resolution | Reagent* |
|-----------|-----------------------|-------------------|------------|---------------------|
| PLPar39 | pH-value (MR) | 6.4 – 8.4 pH | 0.01 | L |
| PLPar41 | pH-Universal | 5 – 11 pH | 0.1 | T |
| PLPar42 | pH-Universal | 4 – 11 pH | 0.1 | L |
| PLPar98 | Phenol | 0 – 5 mg/l | 0.01 | T |
| PLPar43 | PHMB | 2 – 60 mg/l | 1 | T |
| PLPar44 | Phosphate-ortho (LR) | 0 – 4 mg/l | 0.01 | PP + T |
| PLPar45 | Phosphate-ortho (LR) | 0 – 4 mg/l | 0.01 | L + P |
| PLPar46 | Phosphate-ortho (HR) | 0 – 80 mg/l | 0.1 | PP + T |
| PLPar47 | Phosphate-ortho (HR) | 0 – 100 mg/l | 0.1 | L |
| PLPar87 | Phosphonate | 0 – 20 mg/l | 0.01 | P + L |
| PLPar110 | Phosphonate | 0 – 20 mg/l | 0.01 | T |
| PLPar153 | Phosphorus-Total (LR) | 0 – 2.6 mg/l | 0.01 | TT + PP + T + P + L |
| PLPar154 | Phosphorus-Total (HR) | 0 – 52 mg/l | 0.1 | TT + PP + T + P + L |
| PLPar85 | Polyacrylate | 1 – 30 mg/l | 0.1 | L |
| PLPar48 | Potassium | 0.7 – 12 mg/l | 0.1 | T |
| PLPar111 | PTSA | 0 – 1000 µg/l | 1 | -- |
| PLPar83 | QAC | 25 – 150 mg/l | 1 | PP + T |
| PLPar173 | Sanosil | 0 – 400 mg/l | 0.01 | L |
| PLPar49 | Silica (LR) | 0 – 5 mg/l | 0.01 | L + P |
| PLPar50 | Silica (HR) | 0 – 100 mg/l | 1 | P |
| PLPar186 | Silica-in-Oil** | 0 – 100 mg/l | 1 | L + P |
| PLPar51 | Sodium Hypochlorite | 0.2 – 40 % | 0.1 | T + PP |
| PLPar68 | Sodium Hypochlorite | 0.2 – 40 % | 0.1 | L |

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** Coming soon: Available in II/22

| Item-Code | Parameter | Measurement Range | Resolution | Reagent* |
|-----------|---|-------------------|------------|----------|
| PLPar54 | Sulphate | 5 – 100 mg/l | 1 | PP |
| PLPar55 | Sulphate | 5 – 100 mg/l | 1 | P |
| PLPar52 | Sulphide | 0.04 – 0.5 mg/l | 0.01 | T |
| PLPar140 | Sulphide | 0 – 0.7 mg/l | 0.01 | L |
| PLPar53 | Sulphite (LR) | 0 – 10 mg/l | 0.1 | T |
| PLPar105 | Sulphite (HR) | 0 – 300 mg/l | 0.1 | T |
| PLPar 174 | Sulphite (HR) | 0 – 200 mg/l | 0.1 | L |
| PLPar81 | Suspended solids | 0 – 750 mg/l | 1 | -- |
| PLPar91 | Tannic acid | 0 – 150 mg/l | 0.1 | L |
| PLPar157 | Tracer | 0 – 1000 µg/l | 1 | -- |
| PLPar170 | Transmission / Absorption (all wavelengths). Wavelengths in nm: 410, 435, 460, 485, 510, 535, 560, 585, 610, 645, 680, 705, 730, 760, 810, 860, 900, 940 | 0 – 100 % | 0.1 | -- |
| PLPar59 | Turbidity (FAU) | 20 – 1000 FAU | 1 | -- |
| PLPar112 | Turbidity (NTU) | 0.5 – 1100 NTU | 0.1 | -- |
| PLPar120 | Urea | 0.1 – 2.5 mg/l | 0.1 | L + PP |
| PLPar150 | Urea | 0.2 – 5.0 mg/l | 0.2 | L + PP |
| PLPar156 | Watch Products | 0 – 1000 µg/l | 1 | -- |
| PLPar62 | Zinc | 0 – 1 mg/l | 0.01 | T |



Find the latest parameter list under
<https://primelab.org/parameter/list>





PRIMELAB 2.0 – ACCESSORIES

| Vials and measuring cups | |
|--------------------------|---|
| Item-Code | Item Description |
| PLSp-Kv2410-10 | Set of 10 x 24mm (10ml) round glass vials with lid / light shield integrated in lid |
| PLSp-Kv1610-10 | Set of 10 x 16mm (10ml) round glass vials with lid |
| PLSp-Kv1-100 | Set of 100 x 1ml semi-micro-vials (rectangle) |
| PLSp-LG-ELF10 | Set of 10 x 60ml measuring cup with red lid |
| SVZdev100 | 100ml plastic measuring cup |
| PLSp-GlsBot50ml | 50ml glass-bottle with stopper |

| Dosing equipment | |
|------------------------|---|
| Item-Code | Item Description |
| PLSp-inj1 | Graduated Plastic Syringe (10ml) |
| PLSp-inj03 | Graduated Plastic Syringe (3ml) |
| PLSp-inj01 | Graduated Plastic Syringe (1ml) |
| PLSp-PIP10ml | 10 ml pipette (variable volume 1 – 10ml) |
| PLSp-PIP10ml-tips10 | 10 x tips for PLSp-PIP10ml pipette |
| PLSp-PIP1ml | 1 ml pipette (variable volume 0.1 – 1ml) |
| PLSp-PIP1ml-tips10 | 10 x tips for PLSp-PIP1ml pipette |
| PLSp-PIP01ml | 0.1 ml pipette (variable volume 0.01 – 0.1ml) |
| PLSp-PIP01ml-tips10 | 10 x tips for PLSp-PIP01ml pipette |
| WIDmar-PLSP01ml | 0.1ml direct dispenser pipette for oil/fuel samples |
| WIDmar-PLSP01ml-tips10 | 10x tips for WIDmar-PLSP01ml pipette |
| PL2Sp-Vollpip2ml | 2ml bulb-pipette (glass) |
| PL2Sp-Vollpip2ml-Ball | Pipetiing-ball (Peleus ball) for 2ml bulb-pipette |

| Filter utilities | |
|------------------|--|
| Item-Code | Item Description |
| PLSp-InjFil-1 | Luer lock syringe (20ml) with threat for filter holder |
| PLSp-Filtad1 | Filter holder for PLSp-InjFil-1 luer lock syringe |
| PLSp-FiltGFC | 25mm GF/C Filter. Bottle of 50 filter papers |
| PLSp-Filt45M | 25mm 0.45 µm filter. Bottle of 50 filter papers |

| Electronics | |
|---------------------|---|
| Item-Code | Item Description |
| PLSp-CODheatblock-E | Heat block for 8 x 16mm vials. Temp. 70, 100, 120, 150 and 160°C. Digital reading, 220 – 240 V / 50 – 60 Hz and 110 – 130 V / 50 – 60 Hz, 140W |
| PLSp-CODheatblock-T | Heat block for 12 x 16mm vials. Temp. 70, 100, 120, 148, 150 and 160°C. Heating times: 30 min, 60 min, 90 min, 120 min; 200 – 240 VAC 50Hz; Maximum 350 W |
| PLSp-Bltd-1 | Bluetooth® USB dongle (to enable Bluetooth® on any Windows-PC) |
| PLSp2-GSM | 4G*-modem (USB-Type-C) |
| PLSp2-USBa-c | USB-connector (type A to type C) |
| PLSp2-USBhuba | USB-Hub (Type C and Type A) |
| PLSp2-USBcable | USB-cable (Type A on one end / type C at the other end) |
| PLSp2-chargeEU | PrimeLab 2.0 charger with EU plus |
| PLSp2-UK/AUS/US | UK/AUS/US plug for PrimeLab 2.0 charger |

PRIMELAB 2.0 – ACCESSORIES



| Reference standards | |
|---------------------|--|
| Item-Code | Item Description |
| PL2Sp-Ref112038-f | Reference standard kit for PrimeLab IDs 11 (chlorine by tablet), ID 20 (cyanuric acid) and ID 38 (pH by tablet). 2 standards for ID 11 (~0.5 mg/l and ~2 mg/l), 1 standard for ID 20 (~80 mg/l), 1 standard for ID 38 (~7.00 pH) as well as a ZERO vial. In a box with description. 1 year shelf life. |
| PL2Sp-Ref122039-f | Reference standard kit for PrimeLab IDs 12 (chlorine by liquid), ID 20 (cyanuric acid) and ID 39 (pH by liquid). 2 standards for ID 12 (~0.5 mg/l and ~2 mg/l), 1 standard for ID 20 (~80 mg/l), 1 standard for ID 39 (~7.00 pH) as well as a ZERO vial. In a box with description. 1 year shelf life. |
| PL2Sp-RefPTSA | 3 x Sealed round (24mm) glass-vial (values: 0 µg/l / 100 µg/l / 400 µg/l) |
| PL2Sp-RefFLSC | 2 x 100ml reference standards 100 µg/l Fluorescein, deionized water |
| PL2Sp-RefTRB | 3 x 10ml reference standards 0.5 NTU, 10 NTU, 1000 |

| Stirring rods / cleaning brushes | |
|----------------------------------|---|
| Item-Code | Item Description |
| SPstr10 | Set of 10 x 13 cm plastic stirring rods |
| PLSp-str10 | Set of 10 x 10.5 cm plastic stirring rods |
| SPclb10 | Set of 10 x 9.5 cm vial-cleaning brushes |

| Other Accessories | |
|-------------------|---|
| Item-Code | Item Description |
| PLSp2-Ad16/Ad1 | PrimeLab 2.0 vial adapter for 16mm glass vials / 1ml semi-micro-vials (rectangle) |
| PLSp-mft-1 | Micro fiber cloth 13x13 cm for PrimeLab vials |
| PLSp2-carr2 | Large PrimeLab 2.0 plastic carrying case |
| PLSp2-Alucase | Aluminium trolley with foam inserts for PrimeLab 2.0 plus accessories |
| PLSp-16mmRack | Aluminium test tube rack for holding 12 x 16mm glass cuvettes |



Ask for our large variety of check-standards (coloured epoxy resin) in sealed 24mm glass vials.

EASYSHAKER®

- ALUMINIUM HOUSING
- EASY TO SCREW ON AND OFF
- REPLACEABLE BATTERIES [AA]
- PRE-CALIBRATION POSSIBLE
- REDUCED MEASUREMENT TIME
- PASSWORD-PROTECTED MENU LEVELS



Through many years of experience and development work, we at Water-i.d.® want to provide our customers and users with a device that is reduced to the essentials.

- Consistent and good results [+/-10% to ASTM compliant laboratory applications]
- Easy cleaning with easily accessible tools [Naptha, Cleaner, etc.]
- Robust housing
- Easy to read display

Testing must be easy and relaxed. Measuring times has been reduced to a minimum in the standard mode. After just 1 min for the base number and 2 min for the water-in-oil determination, the result is clearly shown on the display. Due to the dimensions as well as the material, the EasyShaker® is intuitively taken in both hands when shaking and this enables reproducible results. Both batteries and, in the event of servicing, the seals can be replaced automatically if necessary.

The basic calibration functions can even be easily adjusted on site and independently in special cases via a password-protected menu level. EasyShaker®, when everything has to be in mind.



| Item-Code | Product Description EasyShaker® | Measurement Range |
|-----------------------|---|---|
| WIDmar-EasyShaker | Test device for determining the base number and water content in oil samples [preferably]. Test case including reagents for 50 tests. | BN 5 – 150 mgKOH/g WiO 0.03 – 10.0 V% |
| WIDmar-EasyShakerPlus | Test device for determining the base number and water content in oil samples [preferably]. Test case incl. reagents for 50/25 [BN/WiO] tests. Compared to the EasyShaker Kit, it contains the lubricant comparator [called Aluvis], 50x spot test paper and 500ml test kit cleaner. | BN 5 – 150 mgKOH/g WIO 0.03 – 10.0 V% Lubricant Comparator ~ Spot Test ~ |

PRE-SET-KITS

COMPLETE PACKAGES INCLUDING REAGENTS AND ACCESSORIES

PARAMETERS/REAGENTS AND ACCESSORIES CAN BE ADDED OR REMOVED AS REQUIRED



- WATER
- OIL
- FUEL



The Water-i.d.® Pre-Set-Kits offer complete solutions that contain all reagents and accessories for testing the water/lubricant/fuel according to a specific application.

You therefore combine the test equipment with the appropriate reagents for the specific application. Each kit can be extended or combined at any time on request.

Simply write to marine@water-id.com or contact your local supplier. You will find an overview of all categories below.

OVERVIEW

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1 BOILER WATER

A PRIMELAB 2.0 BOILER PRO

Included photometer

| Item-Code | Kit |
|-----------|--|
| PL02B | The PrimeLab 2.0 Multitest Photometer Starter-Kit contains: 1 x Grey plastic carrying-case with foam insert 1 x PrimeLab 2.0 Multitest Photometer Complete accessories and description see on page 58** |

Included reagents / parameters

| Item-Code | Parameter | Measurement Range | Type Of Reagent |
|-------------|------------------------|------------------------|----------------------------|
| PLPar5 | Alkalinity-M | 5 – 200 mg/l | Tablets |
| PLPar6 | Alkalinity-P | 5 – 300 mg/l | Tablets |
| HAT-CHLTest | Chloride | 30 – 600 mg/l | Test strips; External test |
| PLPar56/57 | Hardness-Total (LR/HR) | 2 (20) – 50 (500) mg/l | Tablets |
| PLPar40 | pH-value (LR) | 5.2 – 6.8 pH | Tablets |
| PLPar46 | Phosphate-ortho | 0 – 80 mg/l | Tablets |

Can be extended to more than 140 parameters at any time by ordering an activation code.

B COMBINED BOILER ONE

Included set

| Item-Code | Kit |
|------------|--|
| WIDmar-310 | 1 x Grey plastic case (PCK-MAX) with foam insert 1 x 100ml graduated shaker tube (plastic) with lid 1 x Plastic Stirring Rod (13 cm) 1 x Cleaning Brush 1 x 0-3ml plastic syringe (graduated) 1 x 0-10ml plastic syringe (graduated) 1 x 250 tablets Chloride TC (tablet count) 1 x 250 tablets Alkalinity-P (tablet count) 1 x Transparent, square plastic box with 100 test strips "pH 0 - 14". With printed insert 1 x 80g can with pH-conditioning powder |

Included reagents / parameters

| Item-Code | Parameter | Measurement Range | Type Of Reagent |
|-----------|--------------|---------------------------------|-----------------|
| TbsRCD | Chloride | 5 – 5000 mg/l Cl ⁻ | Tablets |
| TbsRAP | Alkalinity-P | 20 – 500 mg/l CaCO ₃ | Tablets |
| 9.129.807 | pH | 0 – 14 | Test strips |

C **COMBINED
BOILER TWO**

Included set

| Item-Code | Kit |
|------------|---|
| WIDmar-311 | 1 x Grey plastic case (PCK-MAX) with foam insert 1 x Water-i.d. Comparator 2 x 10ml square plastic Comparator-vial with lid 1 x Phosphate HR (0-80 ppm) Comparator Disc 1 x 20ml Luer-lock syringe 1 x Filter-adapter for 20ml luer-lock-syringe 1 x Can with 50 filter papers (25mm) GF/C 1 x 50ml beaker with lid 1 x 100ml graduated shaker tube (plastic) with lid 1 x Plastic Stirring Rod (13 cm) 1 x Cleaning Brush 1 x 0 – 3ml plastic syringe (graduated) 1 x 0 – 10ml plastic syringe (graduated) 1 x 250 tablets Chloride TC (tablet count) 1 x 250 tablets Alkalinity-P (tablet count) 1 x 250 tablets Alkalinity-M (tablet count) 1 x Phosphate powder pillows [50x] 1 x Transparent, square plastic box with 100 test strips "pH 0 – 14". With printed insert 1 x 80g can with pH-conditioning powder |

Included reagents / parameters

| Item-Code | Parameter | Measurement Range | Type Of Reagent |
|-----------|--------------|---------------------------------|-----------------|
| TbsRCD | Chloride | 5 – 5000 mg/l Cl ⁻ | Tablets |
| TbsRAP | Alkalinity-P | 20 – 500 mg/l CaCO ₃ | Tablets |
| TbsRTA | Alkalinity-M | 10 – 500 mg/l CaCO ₃ | Tablets |
| 9.129.807 | pH | 0 – 14 | Test strips |
| PPCPP50 | Phosphate | 0 – 80 ppm | Powder pillows |

D **COMBINED
BOILER THREE**

Included set

| Item-Code | Kit |
|------------|--|
| WIDmar-315 | 1 x Grey plastic case (PCK-MAX) with foam insert 1 x Water-i.d. Comparator 2 x 10ml square plastic Comparator-vial with lid 1 x Phosphate HR (0 – 80 ppm) Comparator Disc 1 x 20ml Luer-lock syringe 1 x Filter-adapter for 20ml luer-lock-syringe 1 x Can with 50 filter papers (25mm) GF/C 1 x 50ml beaker with lid 1 x 100ml graduated shaker tube (plastic) with lid 1 x Plastic Stirring Rod (13 cm) 1 x Cleaning Brush 1 x 0 – 3ml plastic syringe (graduated) 1 x 0 – 10ml plastic syringe (graduated) 1 x 250 tablets Chloride TC (tablet count) 1 x 250 tablets Alkalinity-P (tablet count) 1 x Phosphate powder pillows [50x] 1 x Transparent, square plastic box with 100 test strips "pH 0 – 14". With printed insert 1 x 80g can with pH-conditioning powder |

Included reagents / parameters

| Item-Code | Parameter | Measurement Range | Type Of Reagent |
|-----------|--------------|---------------------------------|-----------------|
| TbsRCD | Chloride | 5 – 5000 mg/l Cl ⁻ | Tablets |
| TbsRAP | Alkalinity-P | 20 – 500 mg/l CaCO ₃ | Tablets |
| 9.129.807 | pH | 0 – 14 | Test strips |
| PPCPP50 | Phosphate | 0 – 80ppm | Powder pillows |

2 COOLING WATER

A PRIMELAB 2.0 COOLING PRO

Included photometer

| Item-Code | Kit |
|-----------|--|
| PL02B | The PrimeLab 2.0 Multitest Photometer Starter-Kit contains: 1 x Grey plastic carrying-case with foam insert 1 x PrimeLab 2.0 Multitest Photometer Complete accessories and description see on page 58** |

Included reagents / parameters

| Item-Code | Parameter | Measurement Range | Type Of Reagent |
|---------------|------------------------|----------------------|---------------------------|
| PLPar5 | Alkalinity-M | 5 – 200 mg/l | Tablets |
| PLPar10 | Chloride | 0.5 – 25 mg/l | Tablets |
| PLPar78 | Hardness-Calcium | 0 – 500 mg/l | Tablets |
| PLPar56/57 | Hardness-Total (LR/HR) | 2(20) – 50(500) mg/l | Tablets |
| WIDmar HSRAEU | Legionella | 60 – 1000000 cfu/l | Test panel, External Test |
| PLPar35 | Nitrite (LR) | 0 – 0.5 mg/l | Tablets |
| PLPar40 | pH-value (LR) | 5.2 – 6.8 pH | Tablets |
| PLPar41 | pH-Universal | 5 – 11 pH | Tablets |

Can be extended to more than 140 parameters at any time by ordering an activation code.

B PRIMELAB 2.0 COOLING BASIC ONE

Included set

| Item-Code | Kit |
|------------|--|
| WIDmar-309 | 1 x Grey plastic case (PCK-MAX) with foam insert 1 x 100ml graduated shaker tube (plastic) with lid 1 x Plastic Stirring Rod (13 cm) 1 x Cleaning Brush 1 x 0 – 3ml plastic syringe (graduated) 1 x 0 – 10ml plastic syringe (graduated) 1 x 250 tablets Chloride TC (tablet count) 1 x 100 tablets Nitrite N°1 TC (tablet count) 1 x 250 tablets Nitrite N°2 TC (tablet count) 1 x Transparent, square plastic box with 100 test strips "pH 0 – 14". With printed insert |

Included reagents / parameters

| Item-Code | Parameter | Measurement Range | Type Of Reagent |
|-----------|-----------|----------------------------------|-----------------|
| TbsRCD | Chloride | 5 – 5000 mg/l Cl ⁻ | Tablets |
| TbsHNT1_2 | Nitrite | 70 – 1500 mg/l NaNO ₂ | Tablets |
| 9.129.807 | pH | 0 – 14 | Test strips |

C PRIMELAB 2.0
COOLING BASIC TWO

Included set

| Item-Code | Kit |
|-------------|---|
| WIDmar-309a | 1 x Grey plastic case (PCK-MAX) with foam insert 1 x 100ml graduated shaker tube (plastic) with lid 1 x Plastic Stirring Rod (13 cm) 1 x Cleaning Brush 1 x 0 – 3ml plastic syringe (graduated) 1 x 0 – 10ml plastic syringe (graduated) 1 x 250 tablets Chloride TC (tablet count) 1 x 100 tablets Nitrite N°1 TC (tablet count) 1 x 250 tablets Nitrite N°2 TC (tablet count) 1 x 250 tablets Alkalinity-P TC (tablet count) 1 x Transparent, square plastic box with 100 test strips "pH 0 – 14" With printed insert |

Included reagents / parameters

| Item-Code | Parameter | Measurement Range | Type Of Reagent |
|-----------|--------------|----------------------------------|-----------------|
| TbsHNT1_2 | Nitrite | 70 – 1500 mg/l NaNO ₂ | Tablets |
| TbsRCD | Chloride | 5 – 5000 mg/l Cl ⁻ | -- |
| TbsRAP | Alkalinity-P | 20 – 500 mg/l CaCO ₃ | Tablets |
| 9.129.807 | pH | 0 – 14 | Test strips |

D PRIMELAB 2.0
COOLING BASIC THREE

Included set

| Item-Code | Kit |
|--------------|--|
| WIDmar-Cool3 | 1 x Grey plastic case (PCK-MAX) with foam insert 1 x 100ml graduated shaker tube (plastic) with lid 1 x Plastic Stirring Rod (13 cm) 1 x Cleaning Brush 1 x 0 – 3ml plastic syringe (graduated) 1 x 0 – 10ml plastic syringe (graduated) 1 x 250 tablets Chloride TC (tablet count) 1 x 100 tablets Nitrite N°1 TC (tablet count) 1 x 250 tablets Nitrite N°2 TC (tablet count) 1 x 250 tablets Alkalinity-P TC (tablet count) 1 x Transparent, square plastic box with 100 test strips "pH 0 – 14" With printed insert 1 x FT7200 without ORP Electrode: Electronic Meter pH/(ORP)/EC/TDS/Salt/Temp. 2 screw-on extensions: a) pH + Temp. / b) EC/TDS/Salt + Temp |

Included reagents / parameters

| Item-Code | Parameter | Measurement Range | Type Of Reagent |
|-----------|---------------------------------|----------------------------------|-----------------|
| TbsHNT1_2 | Nitrite | 70 – 1500 mg/l NaNO ₂ | Tablets |
| TbsRCD | Chloride | 5 – 5000 mg/l Cl ⁻ | -- |
| TbsRAP | Alkalinity-P | 20 – 500 mg/l CaCO ₃ | Tablets |
| 9.129.807 | pH | 0 – 14 | Test strips |
| -- | Conductivity [electronic meter] | 0.2 – 2000.0 µS/cm | -- |

3 POTABLE & FRESH WATER

A PRIMELAB 2.0 PWT PRO

Included set

| Item-Code | Kit |
|-----------|--|
| PL02B-TRB | The PrimeLab 2.0 Multitest Photometer: Starter-Kit WITH Turbidity (NTU) contains: 1 x PrimeLab 2.0 Multitest Photometer 1 x Grey plastic carrying-case with foam insert 1 x 1 – 10ml professional lab pipette with 2 tips 1 x NTU-Turbidity calibration kit. Sealed glass vials with 0.5 / 10 / 1000 NTU Complete accessories and description of the Starter Kit see on page 58** |

Included reagents / parameters

| Item-Code | Parameter | Measurement Range | Type Of Reagent |
|-------------|--------------------------------|-----------------------|----------------------------|
| PLPar121 | Alkalinity-M (HR) | 0 – 500 mg/ | Tablets |
| PLPar6 | Alkalinity-P | 5 – 300 mg/l | Tablets |
| PLPar4 | Aluminium | 0 – 0.3 mg/l | Tablets |
| HAT-CHLTest | Chloride | 30 – 600 mg/l | Test strips; External test |
| PLPar11 | Chlorine (free-combined-total) | 0.00 – 8.00 mg/l | Tablets |
| PLPar107 | Colour (Hazen/APHA) | 15 – 500 mg/l (Pt-Co) | -- |
| PLPar18 | Copper | 0 – 5 mg/l | Tablets |



| Item-Code | Parameter | Measurement Range | Type Of Reagent |
|------------|------------------------|----------------------|-----------------|
| PLPar56/57 | Hardness-Total (LR/HR) | 2(20) – 50(500) mg/l | Tablets |
| PLPar28 | Iron (LR) | 0 – 1 mg/l | Tablets |
| PLPar31 | Manganese | 0.2 – 5 mg/l | Tablets |
| PLPar169 | Nitrate (HR) | 1 – 100 mg/l | Powder |
| PLPar38 | pH-value (MR) | 6.5 – 8.4 pH | Tablets |
| PLPar54 | Sulphate | 5 – 100 mg/l | Tablets |
| PLPar62 | Zinc | 0 – 1 mg/l | Tablets |

Can be extended to more than 140 parameters at any time by ordering an activation code.

B PRIMELAB 2.0 FRESH WATER CONTROL KIT

Included photometer

| Item-Code | Kit |
|-----------|--|
| PL02B-TRB | The PrimeLab 2.0 Multitest Photometer: Starter-Kit WITH Turbidity (NTU) contains: 1 x PrimeLab 2.0 Multitest Photometer 1 x Grey plastic carrying-case with foam insert 1 x 1 – 10ml professional lab pipette with 2 tips 1 x NTU-Turbidity calibration kit. Sealed glass vials with 0.5/10/1000 NTU Complete accessories and description of the Starter Kit see on page 58** |

Included reagents / parameters

| Item-Code | Parameter | Measurement Range | Type Of Reagent |
|----------------------|---|--------------------|-----------------|
| IDX-Entero-USA-TDA | Bacteria: Enterococci | -- | Beaker |
| BactD006 | Bacteria: Pseudomonas species and Coliforms | -- | Dipslide |
| BactD005 | Bacteria: E.coli, Coliforms and Total Viable Count (Total Heterotrophic Bacteria) | -- | Dipslide |
| WIDmar-legio-risk-EU | Legionella | 100 – 100000 cfu/l | Testcard |
| TbsPTAHR50 | Alkalinity-M (HR) | 0 – 500 mg/l | Tablet |
| TbsPAP50 | Alkalinity-P tablet | 5 – 300 mg/l | Tablet |
| PL65ChlorideI/2 | Chloride | 0 – 100 mg/l | Liquid |
| TbsPD150/PD350 | Chlorine (free-combined-total) | 0.00 – 8.00 mg/l | Tablet |
| - | Colour (Hazen/APHA) | 15 – 500 mg/l | -- |
| TbsHCu150/Cu250 | Copper | 0 – 5 mg/l | Tablet |

Can be extended to more than 140 parameters at any time by ordering an activation code.



| Item-Code | Parameter | Measurement Range | Type Of Reagent |
|-----------------|------------------------|------------------------|-----------------|
| PL30DO1/D02/D03 | Dissolved Oxygen | 0 – 10 mg/l | Liquid |
| TbsPTH50 | Hardness-Total (LR/HR) | 2 (20) – 50 (500) mg/l | Tablet |
| ppFerVer1 | Iron total | 0 – 3 mg/l | Powder |
| PPPNiLR50/HR150 | Nitrite (LR) | 0 – 0.5 mg/l | Tablet |
| TbsPNiHR250 | Nitrite (HR) | 0 – 1500 mg/l | Tablet |
| TbsPpH50 | pH-value (MR) | 6.4 – 8.4 | Tablet |
| PPHPPLR150/R250 | Phosphate-ortho (LR) | 0 – 4 mg/l | Tablet |
| PL25SiLR1/LR2 | Silica (LR) | 0 – 5 mg/l | Liquid |
| PPPSiLR350 | Silica (LR) | 0 – 5 mg/l | Powder |
| TbsPCZ50 | Zinc | 0 – 1 mg/l | Tablet |

C **COMBINED
PWT BASIC ONE**

Included set

| Item-Code | Kit |
|---------------|--|
| WID-manualPWT | 1 x Black plastic case with foam insert 1 x Water-i.d.® Comparator 4 x 10ml square plastic Comparator cells 1 x 13 cm Stirring Rod 1 x Cleaning Brush 1 x 100ml plastic shaker/dilution tube 1 x Water-i.d. Comparator disc "Chlorine (free/combined/total) / 0.00 – 5.00 mg/l" 1 x Water-i.d. Comparator disc "Chlorine Dioxide/0.00 – 6.65 mg/l" 1 x Water-i.d. Comparator disc "Copper/0.0 – 5.0 mg/l" 50 tablets DPD 1 Photometer/Comparator 50 tablets DPD 3 Photometer/Comparator 50 tablets Copper N° 1 Photometer/Comparator 50 tablets Copper N° 2 Photometer/Comparator 50 tablets Glycine 100 tablets Total Hardness TABLET COUNT (FT7200 without ORP Electrode): Electronic Meter pH/(ORP)/EC/TDS/Salt/Temp. 2 screw-on extensions: a) pH + Temp. / b) EC/TDS/Salt + Temp 1x Turbidity Tube 5 – 500 NTU |

Included reagents / parameters

| Item-Code | Parameter | Measurement Range | Type Of Reagent |
|-----------------|--------------------------------|-------------------|-----------------|
| TbsRCD | Chlorine [free/combined/total] | 0.00 – 8.00 mg/l | Tablet |
| TbsHNT1_2 | Chlorine Dioxide | 0.00 – 5.00 mg/l | Tablet |
| TbsPTH50 | Total hardness | 20 – 500 mg/l | Tablet |
| TbsHCu150/Cu250 | Copper | 0 – 5 mg/l | Tablet |
| -- | pH [electronic meter] | 0 – 14 | -- |



| Item-Code | Parameter | Measurement Range | Type Of Reagent |
|-----------|---|--------------------|-----------------|
| -- | Conductivity [electronic meter] | 0.0 – 2000.0 µS/cm | -- |
| -- | Temperature | 0 – 100 °C | -- |
| BactD004 | Bacteria: Pseudomonas species and Coliforms | -- | Dipslide |
| BactD005 | Bacteria: E.coli and Coliforms | -- | Dipslide |
| -- | Turbidity | 5 – 500 NTU | Turbidity tube |



4 BALLAST & SEWAGE WATER

A PRIMELAB 2.0 GREY WATER CONTROL PRO

Included photometer and accessories

| Item-Code | Kit |
|------------------|--|
| WIDmar-greywater | The PrimeLab 2.0 Multitest Photometer Starter-Kit contains: 1 x Grey plastic carrying-case with foam insert 1 x PrimeLab 2.0 Multitest Photometer Complete accessories and description see on page 58** |
| PLSp-16mmRack | 1x Aluminium test tube Rack for holding 12 x 16mm glass cuvettes |

Included reagents / parameters

| Item-Code | Parameter | Measurement Range | Type Of Reagent |
|-----------|---------------------------------|--------------------|-------------------------|
| FT6012 | pH [electronic meter] | 0 – 14 | -- |
| FT7021 | Conductivity [electronic meter] | 0.0 – 2000.0 µS/cm | -- |
| PLPar155 | Ammonia (HR) | 1 – 50 mg/l | Prepared vials + powder |
| PLPar79 | COD (LR) | 0 – 150 mg/l | Prepared vials |
| PLPar80 | COD (MR) | 0 – 1500 mg/l | Prepared vials |
| PLPar17 | COD (HR) | 0 – 15000 mg/l | Prepared vials |
| PLPar169 | Nitrate (HR) | 1 – 100 mg/l | Powder-liquid |
| PLPar35 | Nitrite (LR) | 0 – 0.5 mg/l | Tablet |
| PLPar152 | Nitrogen-Total (HR) | 5 – 150 mg/l | Prepared vials |
| PLPar45 | Phosphat-ortho (LR) | 0 – 4 mg/l | Powder-liquid |

Can be extended to more than 140 parameters at any time by ordering an activation code.

B COMBINED BALLAST BASIC ONE

Included set

| Item-Code | Kit |
|------------------------|---|
| WIDmar-Ballast-singleI | 1 x Professional Alu-carrying case (trolley) with matching foam inserts 1 x 100ml shaker tube, 1x stirring rod 1x cleaning brush 1 x 100 tablets Chloride tablet count 1 x Pack 100 of the Vibrio Cholera test 1 x Pack 20 of the Enterococci-test "Enterolert", USA version acc. to ASTM 1 x 10 dipslides: PDM/MAC Dipslide Tests for Pseudomonas species and Coliforms 1 x 10 dipslides: Chromogenic/TTC Dipslide Tests for E.coli, Pseudomonas Aeruginosa and Total 1 x Incubator for 10 Dipslides as well as Enterococci Test, variable temp. 110/220V |

Included reagents / parameters

| Item-Code | Parameter | Measurement Range | Type Of Reagent |
|--------------------|--|-------------------|-----------------|
| TbsRCD | Chloride | 5 – 5000 mg/l Cl- | Tablets |
| IDX-Entero-USA-TDA | Bacteria: Enterococci | -- | Beaker |
| BactD006 | Bacteria: Pseudomonas species and Coliforms | -- | Dipslide |
| EFL-VibCh100 | Bacteria: Vibrio Cholera | -- | Testcard |
| BactD005 | Bacteria: E.coli*, Coliforms and Total Viable Count (Total Heterotrophic Bacteria) *Requires a UV lamp to visualize | -- | Dipslide |

Included accessories

| Item-Code | Features |
|---------------|--|
| WIDmar-UVlamp | Powerful UV lamp (365nm) UV lamp (365nm) made of aluminum. Digital voltage regulation for input voltage 3.6–8.4 V Titanium black, scratch-resistant housing made of hard-anodized aerospace aluminum Durable, lubricated O-ring seals for reliable protection against spray-water and water jets Durable aluminum reflector AAA battery (not included) |

C **COMBINED BALLAST BASIC TWO**

Included set

| Item-Code | Kit |
|------------------------|---|
| WIDmar-Ballast-single2 | 1 x Professional Alu-carrying case (trolley) with matching foam inserts 1 x 100ml shaker tube 1x stirring rod 1 x cleaning brush 2 x Luer lock syringe (20ml) with adapter for filter holder; each labeled with 50/10 µm 2 x Filter holder for PLSp-InjFil-1 luer lock syringe; each labeled with 50/10 µm 1 x 100 tablets Chloride tablet count 1 x Pack 100 of the Vibrio Cholera test (1 x Pack 20 of the Enterococci-test "Enterolert", USA version acc. to ASTM 1 x 10 dipslides: PDM/MAC Dipslide Tests for Pseudomonas species and Coliforms 1 x 10 dipslides: Chromogenic/TTC Dipslide Tests for E.coli, Pseudomonas Aeruginosa and Total 1 x Test Kit for 50 µm living organisms or above (Filter test) incl. staff microscope (magnification factor: 20x; set), incl. 25mm Filter Paper 50 µm; pack of 50pcs. 1 x Test Kit for 10-50 µm living organism (Filter test) incl. staff microscope (magnification factor: 200x; set) incl. 25mm Filter Paper 10 µm; pack of 50pcs. incl. manual (english) 1x Incubator for 10 Dipslides as well as Enterococci Test, variable temp. 110/220V |

Included reagents / parameters

| Item-Code | Parameter | Measurement Range | Type Of Reagent |
|--------------------|--|-------------------------------|-----------------|
| TbsRCD | Chloride | 5 – 5000 mg/l Cl ⁻ | Tablets |
| IDX-Entero-USA-TDA | Bacteria: Enterococci | -- | Beaker |
| BactD006 | Bacteria: Pseudomonas species and Coliforms | -- | Dipslide |
| EFL-VibCh100 | Bacteria: Vibrio Cholera | -- | Testcard |
| BactD005 | Bacteria: E.coli*, Coliforms and Total Viable Count (Total Heterotrophic Bacteria) *Requires a UV lamp to visualize | -- | Dipslide |

Included accessories

| Item-Code | Features |
|---------------|--|
| WIDmar-UVlamp | Powerful UV lamp (365nm) UV lamp (365nm) made of aluminum. Digital voltage regulation for input voltage 3.6–8.4 V Titanium black, scratch-resistant housing made of hard-anodized aerospace aluminum Durable, lubricated O-ring seals for reliable protection against spray-water and water jets Durable aluminum reflector AAA battery (not included) |

D **COMBINED SEWAGE BASIC ONE**

Included set

| Item-Code | Kit |
|-------------------|---|
| WIDmar-Sewage-Kit | 1 x Plastic case incl. matching foam inlay 3 x 100ml graduated shaker tube (plastic) with lid 1 x Plastic Stirring Rod (13 cm) 1 x Cleaning Brush 1 x 100 tablets Permanganate Value 1 x 50 powder-pillows Acidifying SE |

Included reagents / parameters

| Item-Code | Parameter | Measurement Range | Type Of Reagent |
|-----------|-------------------|-------------------|-----------------|
| TbsRPerm | Permanganat Value | 0 – 50 | Tablet |
| -- | BOD Sewage | 0 – 150 | Calculated |
| -- | BOD Effluent | 0 – 45 | Calculated |
| -- | COD Sewage | 0 – 300 | Calculated |
| -- | COD Effluent | 0 – 210 | Calculated |
| -- | TOC Sewage | 0 – 90 | Calculated |
| -- | TOC Effluent | 0 – 6 | -- |

E COMBINED SEWAGE BASIC TWO

Included set

| Item-Code | Kit |
|--------------------|---|
| WIDmar-Sewage-Kit2 | 1 x Grey plastic case with matching foam inserts 3 x 100ml graduated shaker tube (plastic) with lid 1 x Plastic Stirring Rod (13 cm) 1 x Cleaning Brush 1 x 100 tablets Permanganate Value 1 x 50 powder-pillows Acidifying SE 1 x FT7200 Electronic Meter pH/EC/Temp 1 x Turbidity Tube 5 – 500 NTU |

Included reagents / parameters

| Item-Code | Parameter | Measurement Range | Type Of Reagent |
|-----------|---------------------------------|--------------------|-----------------|
| TbsRPerm | Permanganat Value | 0 – 50 | Tablets |
| -- | BOD Sewage | 0 – 150 | Calculated |
| -- | BOD Effluent | 0 – 45 | Calculated |
| -- | COD Sewage | 0 – 300 | Calculated |
| -- | COD Effluent | 0 – 210 | Calculated |
| -- | TOC Sewage | 0 – 90 | Calculated |
| -- | TOC Effluent | 0 – 6 | Calculated |
| -- | pH [electronic meter] | 0 – 14 | -- |
| -- | Conductivity [electronic meter] | 0.0 – 2000.0 µS/cm | -- |
| TbsRCD | Chlorine [free/combined/total] | 0.00 – 8.00 mg/l | Tablets |

F COMBINED SEWAGE BASIC THREE

Included set

| Item-Code | Kit |
|--------------------|--|
| WIDmar-sewage-Kit3 | 1 x Grey plastic case with matching foam inserts 3 x 100ml graduated shaker tube (plastic) with lid 1 x Plastic Stirring Rod (13 cm) 1 x Cleaning Brush 1 x 100 tablets Permanganate Value 1 x 50 powder-pillows Acidifying SE 1 x FT7200 Electronic Meter pH/EC/Temp 1 x Turbidity Tube 5 – 500 NTU 1 x 10 dipslides: PDM/MAC Dipslide Tests for Pseudomonas species and Coliforms 1 x Incubator for 10 Dipslides as well as Enterococci Test, variable temp. 110/220V |

Included reagents / parameters

| Item-Code | Parameter | Measurement Range | Type Of Reagent |
|-----------|---|--------------------|-----------------|
| TbsRPerm | Permanganat Value | 0 – 50 | Tablets |
| -- | BOD Sewage | 0 – 150 | Calculated |
| -- | BOD Effluent | 0 – 45 | Calculated |
| -- | COD Sewage | 0 – 300 | Calculated |
| -- | COD Effluent | 0 – 210 | Calculated |
| -- | TOC Sewage | 0 – 90 | Calculated |
| -- | TOC Effluent | 0 – 6 | Calculated |
| -- | pH [electronic meter] | 0 – 14 | -- |
| -- | Conductivity [electronic meter] | 0.0 – 2000.0 µS/cm | -- |
| TbsRCD | Chlorine [free/combined/total] | 0.00 – 8.00 mg/l | Tablets |
| BActD006 | Bacteria: Pseudomonas sepcies and Coliforms | -- | Dipslide |

5 OIL CONDITION MONITORING

A PRIMELAB 2.0 MARINE SDA PRO

Included photometer

| Item-Code | Kit |
|-----------|---|
| PL02Bmar | The PrimeLab 2.0 Multitest Photometer Starter-Kit contains: 1 x Grey plastic carrying-case with foam insert 1 x PrimeLab 2.0 Multitest Photometer 1 x Direct displacement pipette 10 x Pipette tips 0,1ml [glass, reusable] Complete accessories and description see on page 57* |

Included reagents / parameters

| Item-Code | Parameter | Measurement Range | Type Of Reagent |
|-----------|---------------------------------|-------------------|-----------------|
| PLPar171 | Iron-in-Oil (Fe ²⁺) | 20 – 450 mg/l | Tablet + Liquid |

Can be extended to more than 140 parameters at any time by ordering an activation code.

B PRIMELAB 2.0 MARINE SDA PRO TWO*

Included photometer

| Item-Code | Kit |
|-----------|---|
| PL02Bmar | PrimeLab 2.0 Multitest Photometer Starter-Kit contains: 1 x Grey plastic carrying-case with foam insert 1 x PrimeLab 2.0 Multitest Photometer 1 x Direct displacement pipette 10 x Pipette tips 0,1ml [glass, reusable] Complete accessories and description see on page 57* |

Included reagents / parameters

| Item-Code | Parameter | Measurement Range | Type Of Reagent |
|-----------|---------------------------------|-------------------|-----------------|
| PLPar171 | Iron-in-Oil (Fe ²⁺) | 20 – 450 mg/l | Tablet + Liquid |
| PLPar187 | Copper-in-Oil | 0 – 50 mg/l | Tablet + Liquid |

Can be extended to more than 140 parameters at any time by ordering an activation code.
*Coming soon: Available in II/22

C COMBINED
EASYSHAKER TEST KIT

Included set

| Item-Code | Kit |
|-------------------|---|
| WIDmar-EasyShaker | 1 x Carrying-case with foam insert 1 x EasyShaker test device 1 x 500ml BN Reagent 2 x 500ml Solvent 50 pcs WiO Reagent Jelly 2 x Agitator (plastic ring) 3 x 5ml plastic syringe 1 x 50ml Beaker 1 x Tweezer 1x Printed user manual (quick-guide) |

Included reagents / parameters

| Item-Code | Parameter | Measurement Range | Type Of Reagent |
|--------------------|--------------------------|-------------------|-----------------|
| WIDmar-Bnreag | BaseNumber [BN,TBN] | 3 – 150 mgKOH/g | Liquid |
| WIDmar-WIOreag-set | Water-in-Oil [WiO in V%] | 0 – 10 V% | Liquid/paste |

D COMBINED
EASYSHAKER TEST KIT +

Included set

| Item-Code | Kit |
|-----------------------|--|
| WIDmar-EasyShakerplus | 1 x Carrying-case with foam insert 1 x EasyShaker test device 1 x 500ml BN Reagent 1 x 500ml Solvent 25 pcs WiO Reagent Jelly 1 x ALUvis Comparator 1 x 500ml Test Kit Cleaner 2 x Agitator (plastic ring) 3 x 5ml plastic syringe 1 x 50ml Beaker 1 x Tweezer 1x Printed user manual (quick-guide) |

Included reagents / parameters

| Item-Code | Parameter | Measurement Range | Type Of Reagent |
|--------------------|---------------------------|-------------------|-----------------|
| WIDmar-Bnreag | BaseNumber [BN,TBN] | 3 – 150 mgKOH/g | Liquid |
| WIDmar-WIOreag-set | Water-in-Oil [WiO in V%] | 0 – 10 V% | Liquid/Paste |
| WIDmar-Aluvis | Fresh/Used Oil comparator | -- | -- |

E COMBINED EASYSHAKER TEST KIT COMPLETE

Included set

| Item-Code | Kit |
|----------------------|--|
| WIDmar-Easyshakercpl | 1 x Carrying-case with foam insert 1 x EasyShaker test device 1 x 500ml BN Reagent 1 x 500ml Solvent 25 pcs WiO Reagent Jelly 1 x ALUvis Comparator 1 x 500ml Test Kit Cleaner 2 x Agitator (plastic ring) 3 x 5ml plastic syringe 1 x 50ml Beaker 1 x Tweezer 1x Printed user manual (quick-guide) |

Included reagents / parameters

| Item-Code | Parameter | Measurement Range | Type Of Reagent |
|--------------------|---------------------------|-------------------|-----------------|
| WIDmar-Bnreag | BaseNumber [BN,TBN] | 3 – 150 mgKOH/g | Liquid |
| WIDmar-WIOreag-set | Water-in-Oil [WiO in V%] | 0 – 10 V% | Liquid/Paste |
| WIDmar-Aluvis | Fresh/Used Oil comparator | -- | -- |
| WIDmar-SaltinW | Salt-in-Water | Yes/No | Liquid/Strips |

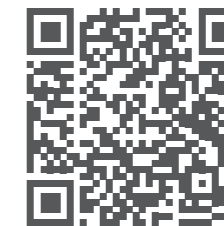
F COMBINED ABRASIV CHECKER-73

Included set

| Item-Code | Kit |
|------------------------|---|
| WIDmar-abrasIron73-Kit | 1x Leatherbag incl. Abrasive Iron Test Device and peripheries |

Included reagents / parameters

| Item-Code | Parameter | Measurement Range | Type Of Reagent |
|-------------------|---------------|-------------------|-----------------|
| WIDmar-abrasreplc | Abrasive Iron | 0 – 19999 ppm | Syringes/Caps |



Scan here to see & download the Cosmos SDM flyer!



6 FUEL CONDITION MONITORING

A PRIMELAB 2.0 CAT FINES CONTROL PRO*

Included set

| Item-Code | Kit |
|-----------|---|
| PL02Bmar | The PrimeLab 2.0 Multitest Photometer Starter-Kit contains: 1 x Grey plastic carrying-case with foam insert 1 x PrimeLab 2.0 Multitest Photometer 1 x Direct displacement pipette 10 x Pipette tips 0,1ml [glass, reusable] Complete accessories and description see on page 57* |

Included reagents / parameters

| Item-Code | Parameter | Measurement Range | Type Of Reagent |
|--------------|------------------|-------------------|-----------------|
| WIDmar-ALU50 | Aluminium-in-Oil | 1 – 100 ppm | Tablets |
| WIDmar-SIL50 | Silica-in-Oil | 1 – 100 ppm | Powder |

Can be extended to more than 140 parameters at any time by ordering an activation code.
*Available in 11/2022

B COMBINED PRO COMPATIBILITY TESTER

Included set

| Item-Code | Kit |
|------------------|--|
| WIDmar-compaST10 | 1 x Plastic case incl. matching foam inlay |

Included reagents / parameters

| Item-Code | Parameter | Measurement Range | Type Of Reagent |
|------------------------|-----------------------------|-------------------|------------------|
| WIDmar-ST10replacement | Compatibility and Stability | -- | Filters/Syringes |



Scan here to see & download the ST10 flyer!

C **COMBINED COMPATIBILITY TESTER BASIC***

Included set

| Item-Code | Kit |
|------------------|--|
| WIDmar-compstab1 | 1 x Plastic case incl. matching foam inlay 1 x Fuel compatibility/stabilty tester basic |

Included reagents / parameters

| Item-Code | Parameter | Measurement Range | Type Of Reagent |
|-------------------|-----------------------------|-------------------|-----------------|
| WIDmar-compstab50 | Compatibility and Stability | -- | Spottestpaper |

*Available in 11/2022

D **COMBINED SULPHUR 16**

Included set

| Item-Code | Kit |
|------------------|---------------------------|
| WIDmar-Sulphur16 | 1 x Xray Sulphur Test Kit |

Included reagents / parameters

| Item-Code | Parameter | Measurement Range | Type Of Reagent |
|---------------------|-----------------|-------------------|-----------------------|
| WIDmar-25sulreplace | Sulphur in Fuel | 16 – 50000ppm | Filters/Syringes/Caps |



Scan here to see & download the Seal16 flyer!



STARTER

A *OIL & FUEL STARTER KIT

Included set

| Item-Code | Kit |
|-----------|---|
| PI02Bmar | <ul style="list-style-type: none"> 1 x plastic carrying-case with foam insert 1 x PrimeLab 2.0 Multitest Photometer 5.5" HD-Colour-Touch Display 16 wavelengths-scan (410 - 940nm) „90° ready“ for NTU, PTSA, Fluorescein, Plankton Option of over 140 different parameters (chargeable activation required) 8.400 mAh Li-Ion-battery (built-in) Bluetooth® 4.2 WiFi USB Type C GSM (via USB-Type-C Modem) Option to connect Electrodes (via USB Type C plus A/D-changer-Box) Built-in camera to scan QR-Codes Self-Calibration-Mode with certificate (via LabCOM® software) „I-OTZ“ Intelligent-One-Time-Zero Compatible to the free of charge PrimeLab tools: LabCOM® App Software Cloud (Android, iOS, Windows, Mac, Browser) 1 x Light shield (for 16mm and 1ml vials as well as check-standards) 1 x 24mm vial adapter (built-in; exchangeable) 1 x 1ml vial Adapter 1 x 10ml plastic syringe (graduated) 1 x 1ml vial Adapter 1 x Direct displacement pipette 10 x Pipette tips 0,1ml [glass, reusable] 1 x Microfibre cleaning cloth 1 x Charger with cable (USB-Type-C) 1 x Printed user manual |

B **PRIMELAB 2.0 STARTER KIT

Included set

| Item-Code | Kit |
|-----------|---|
| PI02B | <ul style="list-style-type: none"> 1 x Grey plastic carrying-case with foam insert 1 x PrimeLab 2.0 Multitest Photometer 5.5" HD-Colour-Touch Display 16 wavelengths-scan (410 - 940nm) „90° ready“ for NTU, PTSA, Fluorescein, Plankton Option of over 140 different parameters (chargeable activation required) 8.400 mAh Li-Ion-battery (built-in) Bluetooth® 4.2 WiFi / USB Type C / GSM (via USB-Type-C Modem) Option to connect Electrodes (via USB Type C plus A/D-changer-Box) Built-in camera to scan QR-Codes Self-Calibration-Mode with certificate (via LabCOM® software) „I-OTZ“ Intelligent-One-Time-Zero Compatible to the free of charge PrimeLab tools: LabCOM® App Software Cloud (Android, iOS, Windows, Mac, Browser) 4 x 24mm/10ml glass-vials with lid (light-shield incorporated into the lid) 1 x Light shield (for 16mm and 1ml vials as well as check-standards) 1 x 24mm vial adapter (built-in; exchangeable) 1 x 10.5 cm stirring rod 1 x 10ml plastic syringe (graduated) 1 x Vial cleaning brush 1 x Microfibre cleaning cloth for vials 1 x Charger with cable (USB-Type-C) 1 x Printed user manual in a ring-binder |

ELECTROCHEMISTRY



- VARIOUS ELECTRODES FOR ELECTROCHEMICAL MEASUREMENT
- PH | CONDUCTIVITY | TDS | ORP | TEMP.
- PROBEBOX 1.0 FOR CONNECTING ELECTRODES TO THE PRIMELAB 2.0 OR TO A SMARTPHONE
- DATA MANAGEMENT VIA LABCOM®
- USER-GUIDED CALIBRATIONS
- AUTOMATIC DETECTION OF THE CONNECTED PROBEBOX AND ELECTRODE

- WATER
- DRINKING WATER
- LABORATORIES
- WASTE WATER
- MARINE
- BOILER WATER
- COOLING WATER
- POOLS
- FOOD PROCESSING

With the ProbeBOX 1.0, you can convert your PrimeLab 2.0 or your (Android) smartphone into a benchtop meter and enter the world of electrochemistry.

The ProbeBOX 1.0 is connected to the PrimeLab 2.0 or an Android smartphone via a USB cable. The PrimeLab 2.0 and the free LabCOM app for your smartphone immediately recognise the ProbeBOX 1.0 and the connected electrode so that either calibration (1-/2-/3-point calibration) or direct measurement is possible.

Both the PrimeLab 2.0 and the LabCOM app save the measurement results in relation to the measurement source and, if required, make them available online in real time via the LabCOM Cloud so that the data can also be accessed via the LabCOM software or the LabCOM website.

The ProbeBOX 1.0 connects high-quality electrodes for measuring pH, ORP, conductivity, TDS and temperature.



OVERVIEW

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PROBEBOX 1.0 ELECTRODE-BASIC-KIT "PH"

Parameter: pH
Measurement Range: pH 0 – 14
Resolution: pH 0.01
Temperature Range: 0 – 80°C ATC



Included content

| Item-Code | Kit |
|---------------------|---|
| PL2Sp-ElpHPCATC-Kit | 1 x Grey carrying case with foam insert 1 x "PL2Sp-ElpHPCATC" Plastic Body pH Electrode. Designed for general water solutions' pH measurement in scientific research, environmental monitoring, and quality control. Ideal for both lab and in-field use. (Not suitable for strong base solution (pH>12), erosive solutions, or constant testing in high temperature (> 60 °C)). Non refillable. 1 x "PL2Sp-Pbox" A/D-switch-box with BNC-IN and USB-Typ e-C-OUT to connect pH Electrode with PrimeLab 2.0 Photometer or (Android) Smartphone 1 x "PL2Sp-KCl3mol-10" dropper bottle with 10ml KCl-electrode soaking solution |

Included calibration solutions

| Item-Code | Kit |
|----------------|---|
| EMphbuf400-20 | 1 x 20 ml "pH 4.00" calibration solution |
| EMphbuf700-20 | 1 x 20 ml "pH 7.00" calibration solution |
| EMphbuf1000-20 | 1 x 20 ml "pH 10.00" calibration solution |

Included accessories

| Item-Code | Kit |
|-----------------|--|
| PL2Sp-PboxCable | 1 x USB-cable for ProbeBOX. 1 meter. Type-C / Type-C |
| -- | 1 x User manual |

PROBEBOX 1.0 ELECTRODE-BASIC-KIT "PH-GLASS ELECTRODE"

Parameter: pH
Measurement Range: pH 0 – 14
Resolution: pH 0.01
Temperature Range: 0 – 80°C ATC

Included content

| Item-Code | Kit |
|---------------------|---|
| PL2Sp-ElpHGLATC-Kit | 1 x Grey carrying case with foam insert 1 x "PL2Sp-ElpHGLATC" Routine Sealed Glass Body pH Electrode. Designed for general water solutions' pH measurement in scientific research, environmental monitoring, and quality control. Ideal for both lab and in-field use. (Not suitable for strong base solution (pH > 12), erosive solutions, or constant testing in high temperature (> 60 °C)). Non refillable. 1 x "PL2Sp-Pbox" A/D-switch-box with BNC-IN and USB-Type-C-OUT to connect pH Electrode with PrimeLab 2.0 Photometer or (Android) Smartphone 1 x "PL2Sp-KCl3mol-10" dropper bottle with 10ml KCl-electrode soaking solution |

Included calibration solutions

| Item-Code | Kit |
|----------------|---|
| EMphbuf400-20 | 1 x 20 ml "pH 4.00" calibration solution |
| EMphbuf700-20 | 1 x 20 ml "pH 7.00" calibration solution |
| EMphbuf1000-20 | 1 x 20 ml "pH 10.00" calibration solution |

Included accessories

| Item-Code | Kit |
|-----------------|--|
| PL2Sp-PboxCable | 1 x USB-cable for ProbeBOX. 1 meter. Type-C / Type-C |
| -- | 1 x User manual |

PROBEBOX 1.0 ELECTRODE-KIT "REFILLABLE PH-GLASS ELECTRODE"

Parameter: pH
Measurement Range: pH 0 – 14
Resolution: pH 0.01
Temperature Range: -5 – 100°C ATC

Included content

| Item-Code | Kit |
|------------------------|--|
| PL2Sp-ElpHGLrefATC-Kit | 1 x Grey carrying case with foam insert 1 x "PL2Sp-ElpHGLrefATC" Refillable Glass pH Electrode. Designed for general water solutions, TRIS Buffer compatible. Suitable applications: hydroponics, pools and spas, environmental monitoring, aquaculture, aquariums, education, general purpose labtest, body fluid, Tris Buffer, Beverage, Wine, Beer, Salt Water, High Temperature Solutions (up to 100 °C). 1 x "PL2Sp-Pbox" A/D-switch-box with BNC-IN and USB-Type-C-OUT to connect pH Electrode with PrimeLab 2.0 Photometer or (Android) Smartphone 1 x "PL2Sp-KCl3mol-10" dropper bottle with 10ml KCl-electrode soaking solution |

Included calibration solutions

| Item-Code | Kit |
|----------------|---|
| EMphbuf400-20 | 1 x 20 ml "pH 4.00" calibration solution |
| EMphbuf700-20 | 1 x 20 ml "pH 7.00" calibration solution |
| EMphbuf1000-20 | 1 x 20 ml "pH 10.00" calibration solution |

Included accessories

| Item-Code | Kit |
|-----------------|--|
| PL2Sp-PboxCable | 1 x USB-cable for ProbeBOX. 1 meter. Type-C / Type-C |
| -- | 1 x User manual |

PROBEBOX 1.0 ELECTRODE-BASIC-KIT "ORP"

Parameter: ORP
Measurement Range: ±2000 mV
Resolution: 1 mV
Temperature Range: 0 – 80°C

Included content

| Item-Code | Kit |
|----------------------|---|
| PL2Sp-EIORPPCATC-Kit | 1 x Grey carrying case with foam insert 1 x "PL2Sp-EIORPPCATC" Plastic Body ORP Electrode for faster respond. The gel inner reference solution does not need to be refilled. This electrode is designed for testing in general water solutions both in-lab or in-field. Comes with Φ 0.8*3 mm platinum disc. Non refillable. 1 x "PL2Sp-Pbox" A/D-switch-box with BNC-IN and USB-Type-C-OUT to connect ORP probe with PrimeLab 2.0 Photometer or (Android) Smartphone 1 x "PL2Sp-KCl3mol-10" dropper bottle with 10ml KCl-electrode soaking solution |

Included calibration solutions

| Item-Code | Kit |
|----------------|--|
| EMorpbuf468-20 | 1 x 20ml "ORP +468mV" calibration solution |

Included accessories

| Item-Code | Kit |
|-----------------|--|
| PL2Sp-PboxCable | 1 x USB-cable for ProbeBOX. 1 meter. Type-C / Type-C |
| -- | 1 x User manual |

PROBEBOX 1.0 ELECTRODE-BASIC-KIT "EC"

Parameter: EC/TDS
 Measurement Range: 0 – 200 mS/cm;
 0 – 100 g/l (0 – 100 ppt)*
 Resolution: 1 µS/cm
 Temperature Range: 0 – 50°C ATC

*If the TDS conversion factor is set to the default value of 0.5

Included content

| Item-Code | Kit |
|-----------------------|---|
| PL2Sp-EIECLRPCATC-Kit | 1 x Grey carrying case with foam insert 1 x "PL2Sp-EIECLRPCATC" Plastic Body – Conductivity Electrode. Designed for high-accuracy in a wide range of conductivity measurements (0 to 200 mS/cm). (K = 1.0). 1 x "PL2Sp-Pbox" A/D-switch-box with BNC-IN and USB-Type-C-OUT to connect EC probe with PrimeLab 2.0 Photometer or (Android) Smartphone |

Included calibration solutions

| Item-Code | Kit |
|----------------|--|
| EMecbuf1413-20 | 1 x 20 ml "EC 1413 µS/cm" calibration solution |
| EMecbuf1288-20 | 1 x 20 ml "EC12.88 mS/cm" (KCl 0.1 mol/l) calibration solution |

Included accessories

| Item-Code | Kit |
|-----------------|--|
| PL2Sp-PboxCable | 1 x USB-cable for ProbeBOX. 1 meter. Type-C / Type-C |
| -- | 1 x User manual |

PROBEBOX 1.0 ELECTRODE-KIT "PURIFIED WATER EC PROBE"

Parameter: EC/TDS
 Measurement Range: 0 – 200 µS/cm;
 0 – 100 mg/l (0 – 100 ppm)*
 Resolution: 1 µS/cm
 Temperature Range: 0 – 50°C ATC

*If the TDS conversion factor is set to the default value of 0.5

Included content

| Item-Code | Kit |
|--------------------|--|
| PL2Sp-EIECLRGL-Kit | 1 x Grey carrying case with foam insert 1 x "PL2Sp-EIECLRGL" Glass Body – Pure Water Conductivity Electrode. Conductivity Electrode (K = 0.1) is designed for purified water and ultra-pure water conductivity measurements. Electrode size: 7×18 mm platinum. 1 x "PL2Sp-Pbox" A/D-switch-box with BNC-IN and USB-Type-C-OUT to connect EC probe with PrimeLab 2.0 Photometer or (Android) Smartphone |

Included calibration solutions

| Item-Code | Kit |
|---------------|---|
| EMecbuf84-100 | 1 x 100 ml "EC 84 µS/cm" calibration solution |

Included accessories

| Item-Code | Kit |
|-----------------|--|
| PL2Sp-PboxCable | 1 x USB-cable for ProbeBOX. 1 meter. Type-C / Type-C |
| -- | 1 x User manual |

PROBEBOX 1.0 ELECTRODE-KIT "GLASS EC PROBE"

Parameter: EC/TDS
 Measurement Range: 0 – 200 mS/cm;
 0 – 100 g/l (0 – 100 ppt)*
 Resolution: 1 μS/cm
 Temperature Range: 0 – 80°C ATC

*If the TDS conversion factor is set to the default value of 0.5

Included content

| Item-Code | Kit |
|-----------------------|---|
| PL2Sp-EIECHRGLATC-Kit | 1 x Grey carrying case with foam insert 1 x "PL2Sp-EIECHRGLATC" Glass Body – Conductivity Electrode (K=1.0). Designed for high-accuracy laboratory conductivity measurements. Ist cavity structure and platinum chip sensor design enhance the accuracy and stability of conductivity measurement in the range of 0 to 200mS/cm. The glass body is resistant to all kinds of general chemical corrosion. Electrode size: 5*7 mm platinum plate/ 2 pole. 1 x "PI2Sp-Pbox" A/D-switch-box with BNC-IN and USB-Type-C-OUT to connect EC probe with PrimeLab 2.0 Photometer or (Android) Smartphone |

Included calibration solutions

| Item-Code | Kit |
|----------------|--|
| EMecbuf1413-20 | 1 x 20 ml "EC 1413 μS/cm" calibration solution |
| EMecbuf1288-20 | 1 x 20 ml "EC12.88 mS/cm" (KCl 0.1 mol/l) calibration solution |

Included accessories

| Item-Code | Kit |
|-----------------|--|
| PL2Sp-PboxCable | 1 x USB-cable for ProbeBOX. 1 meter. Type-C / Type-C |
| -- | 1 x User manual |

PROBEBOX 1.0 ELECTRODE-KIT "HIGH RANGE EC PROBE"

Parameter: EC/TDS
 Measurement Range: 20 – 2000 mS/cm;
 10 – 1000 g/l (10 – 1000 ppt)*
 Resolution: 1 μS/cm
 Temperature Range: 0 – 50°C ATC

*If the TDS conversion factor is set to the default value of 0.5

Included content

| Item-Code | Kit |
|-----------------------|---|
| PL2Sp-EIECHRPCATC-Kit | 1 x Grey carrying case with foam insert 1 x "PL2Sp-EIECHRPCATC" Plastic Body – Conductivity Electrode. Designed for high-range (K = 10)conductivity measurement . Electrode size: 5*5 mm platinum ring/ 2 pole. 1 x "PI2Sp-Pbox" A/D-switch-box with BNC-IN and USB-Type-C-OUT to connect EC probe with PrimeLab 2.0 Photometer or (Android) Smartphone |

Included calibration solutions

| Item-Code | Kit |
|----------------|--|
| EMecbuf1413-20 | 1 x 20 ml "EC 1413 μS/cm" calibration solution |
| EMecbuf1288-20 | 1 x 20 ml "EC12.88 mS/cm" (KCl 0.1 mol/l) calibration solution |

Included accessories

| Item-Code | Kit |
|-----------------|--|
| PL2Sp-PboxCable | 1 x USB-cable for ProbeBOX. 1 meter. Type-C / Type-C |
| -- | 1 x User manual |

WATER-I.D.® ELECTRODES FOR THE PROBEBOX 1.0

| Item-Code | Parameter | Description | Temp. Range | Range | Resolution |
|--------------------|-----------|--|-----------------|---|--------------|
| PL2Sp-ElpHPCATC | pH | Plastic Body pH Electrode. Designed for general water solutions' pH measurement in scientific research, environmental monitoring, and quality control. Ideal for both lab and in-field use. (Not suitable for strong base solution (pH>12), erosive solutions, or constant testing in high temperature (> 60 °C)). Non refillable. | 0 – 80 °C ATC | (0 – 14) pH | 0.01 pH |
| PL2Sp-ElpHGLATC | pH | Routine Sealed Glass Body pH Electrode. Designed for general water solutions' pH measurement in scientific research, environmental monitoring, and quality control. Ideal for both lab and in-field use. (Not suitable for strong base solution (pH > 12), erosive solutions, or constant testing in high temperature (> 60 °C)). Non refillable. | 0 – 80 °C ATC | (0 – 14) pH | 0.01 pH |
| PL2Sp-ElpHGLrefATC | pH | Refillable Glass pH Electrode. Designed for general water solutions, TRIS Buffer compatible. Suitable applications: hydroponics, pools and spas, environmental monitoring, aquaculture, aquariums, education, general purpose labtest, body fluid, Tris Buffer, Beverage, Wine, Beer, Salt Water, High Temperature Solutions (up to 100 °C). | -5 – 100 °C ATC | (0 – 14) pH | 0.01 pH |
| PL2Sp-EIORPPCATC | ORP | Plastic Body ORP Electrode for faster respond. The gel inner reference solution does not need to be refilled. This electrode is designed for testing in general water solutions both in-lab or in-field. Comes with Φ 0.8*3 mm platinum disc. No temperature reading! | 0 – 80 °C | \pm 2000 mV | 1 mV |
| PL2Sp-EIECLRGL | EC | Glass Body – Pure Water Conductivity Electrode. Conductivity Electrode (K = 0.1) is designed for purified water and ultra-pure water conductivity measurements. Electrode size: 7*18 mm platinum. | 0 – 80 °C ATC | 0 ~ 200 μ S/cm 0 – 100 mg/l (0 – 100 ppm)* | 1 μ S/cm |
| PL2Sp-EIECHRGLATC | EC | Glass Body – Conductivity Electrode (K=1.0). Designed for high-accuracy laboratory conductivity measurements. Its cavity structure and platinum chip sensor design enhance the accuracy and stability of conductivity measurement in the range of 0 to 200mS/cm. The glass body is resistant to all kinds of general chemical corrosion. Electrode size: 5*7 mm platinum plate/ 2 pole. | 0 – 50°C ATC | 0 – 200 mS/cm 0 – 100 g/l (0 – 100 ppt)* | 1 μ S/cm |
| PL2Sp-EIECLRPCATC | EC | Plastic Body – Conductivity Electrode. Designed for high accuracy in a wide range of conductivity measurements (0 to 200 mS/cm). (K = 1.0). | 0 – 50°C ATC | 0 – 200 mS/cm 0 – 100 g/l (0 – 100 ppt)* | 1 μ S/cm |
| PL2Sp-EIECHRPCATC | EC | Plastic Body – Conductivity Electrode. Designed for high-range (K = 10) conductivity measurement . Electrode size: 5*5 mm platinum ring/ 2 pole. | 0 – 80°C ATC | 20 – 2000 mS/cm 10 – 1000 g/l (10 – 1000 ppt)* | 1 μ S/cm |

*If the TDS conversion factor in the PrimeLab 2.0 is set to the default value of 0.5



ACCESSORIES

| ProbeBOX 1.0 Accessories | |
|--------------------------|--|
| Item-Code | Item Description |
| PL2Sp-Pbox | ProbeBOX 1.0 (Probe Connector) A/D-switch-box with BNC-IN and USB-Type-C-OUT to connect all electronic probes to the PrimeLab 2.0 or a (Android) Smartphone. Included in all kits. |
| PL2Sp-PboxCable | USB-cabel for the ProbeBOX 1.0 1 meter. Type-C / Type-C. |



| Probe Accessories | |
|---------------------|---|
| Item-Code | Item Description |
| PL2Sp-Probe-Holder | PrimeLab 2.0 Electrode-holder For 3 electrodes (16mm), with cable duct. Additional opening for temperature sensor. Three joints for high flexibility and adjustment options. |
| PL2Sp-Probe-Stirrer | PrimeLab 2.0 magnetic-stirrer For stirring quantities up to 1 liter. Variable speed from 0 – 2500 rpm. White top plate suitable for observing colour reactions. 110/220 V power supply with plugs for EU/CH/UK/USA. |



| Electrolyte-Solutions | |
|-----------------------|---|
| Item-Code | Item Description |
| EMKCL3Mbuf-500 | Electrolyte-Solution "KCl 3 mol/l", 500 ml bottle |
| EMKCL3Mbuf-1000 | Electrolyte-Solution „KCl 3 mol/l", 1000 ml bottle |
| EMKCL3Mbuf-10000 | Electrolyte-Solution „KCl 3 mol/l", 10 liter cubitainer |

CALIBRATION SOLUTIONS

| Item-Code* | Item Description | 20ml | 100ml | 250ml | 500ml | 1L | 10L |
|--------------|---|------|-------|-------|-------|----|-----|
| EMpHbuf168 | "pH 1.68" calibration solution | | • | | • | • | • |
| EMpHbuf200 | "pH 2.00" calibration solution | | • | | • | • | • |
| EMpHbuf300 | "pH 3.00" calibration solution | | • | | • | • | • |
| EMpHbuf400 | "pH 4.00" calibration solution | • | • | | • | • | • |
| EMpHbuf600 | "pH 6.00" calibration solution | | • | | • | • | • |
| EMpHbuf700 | "pH 7.00" calibration solution | • | • | | • | • | • |
| EMpHbuf800 | "pH 8.00" calibration solution | | • | | • | • | • |
| EMpHbuf100 | "pH 10.00" calibration solution | • | • | | • | • | • |
| EMpHbuf1100 | "pH 11.00" calibration solution | | • | | • | • | • |
| EMpHbuf1200 | "pH 12.00" calibration solution | | • | | • | • | • |
| EMpHbuf1300 | "pH 13.00" calibration solution | | • | | • | • | • |
| EMtdsbuf1382 | "TDS 1382 ppm" calibration solution | • | • | | • | • | • |
| EMtdsbuf644 | "TDS 6.44 ppt" calibration solution | • | • | | • | • | • |
| EMecbuf1413 | "EC 1413 µS/cm" calibration solution | • | • | | • | • | • |
| EMecbuf1288 | "12.88 mS/cm" (KCl 0.1 mol/l) cal. sol. | • | • | | • | • | • |
| EMORPbuf220 | "±468mV" calibration solution | • | • | | • | • | • |
| EMORPbuf468 | "±220mV" calibration solution | | | • | | | |

*The item-code varies, depending on the volume (e.g. 20ml of pH 7.00 calibration solution = EMpHbuf700-20)

| Item-Code | Item Description |
|-----------------------|---|
| EMECbuf1288-20-25GEN | 25 Pack: 20ml sachet EC-calibration-solution 12.88 mS/cm. |
| EMECbuf1288-20-25WID | 25 Pack (Water-i.d.® display): EC-calibration-solution 12.88 mS/cm. Sachet with 20ml. |
| EMORPbuf468-20-25WID | 25 Pack (Water-i.d.® display): ORP (Redox)-calibration-solution +468mV. Sachet with 20ml. |
| EMpHbuf400-20-25WID | 25 Pack (Water-i.d.® display): pH-calibration-solution 4.00 (± 0.02 pH). Sachet with 20ml. |
| EMpHbuf700-20-25WID | 25 Pack (Water-i.d.® display): pH-calibration-solution 7.00 (± 0.02 pH). Sachet with 20ml. |
| EMpHbuf1000-20-25WID | 25 Pack (Water-i.d.® display): pH-calibration-solution 10.01 (± 0.03 pH). Sachet with 20ml. |
| EMtdsbuf1382-20-25WID | 25 Pack (Water-i.d.® display): TDS-calibration-solution 1382 ppm. Sachet with 20ml. |
| EMtdsbuf644-20-25WID | 25 Pack (Water-i.d.® display): TDS-calibration-solution 6.44 ppt. Sachet with 20ml. |
| EMecbuf1413-20-25WID | 25 Pack (Water-i.d.® display): EC-calibration-solution 1413 µS/cm. Sachet with 20ml. |

COMPARATOR

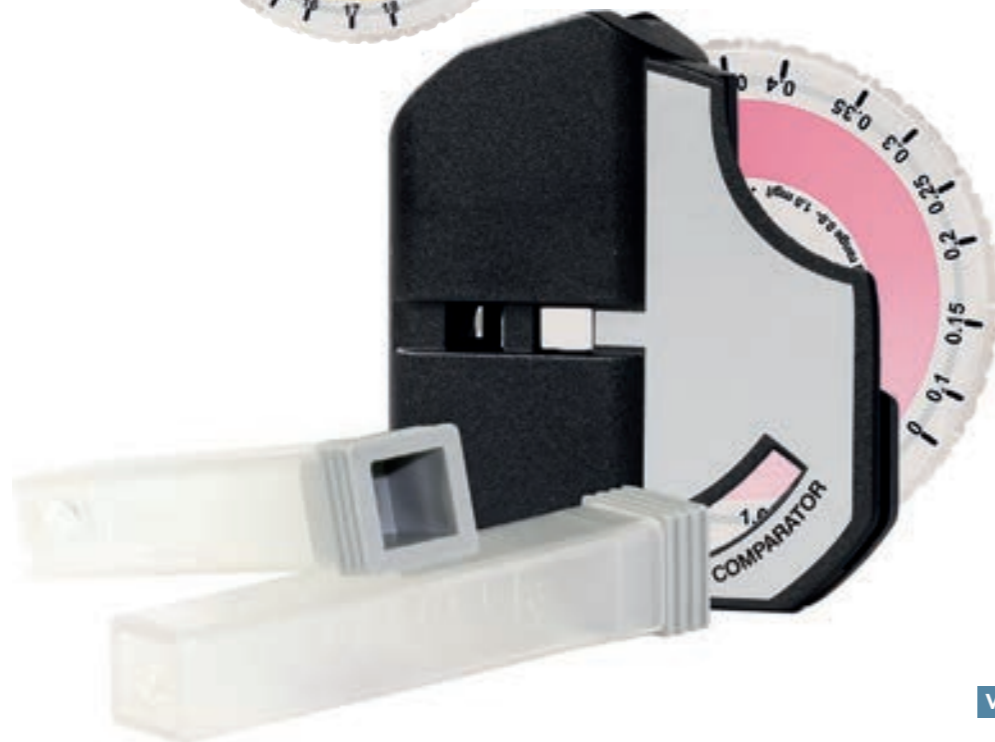
RELIABLE WATER TESTING EQUIPMENT

ONE TEST AND ONE BLANK CUVETTE

PRECISE ONGOING COLOUR SCALE (COLOUR DISC)

RAPID DISSOLVING WATER-I.D.[®] TABLET REAGENTS

MORE THAN 40 DIFFERENT PARAMETER | METHODS | DISCS AVAILABLE



WATER

Water-i.d.[®] comparators provide you with access to semi-professional water analysis.

While comparators are visual measurement devices, the arrangement of the measured colour to the scale – and the determination of the measurement value – is much more precise with comparators because the measurement is compared to a rotating, ongoing colour scale (colour disc). There are no measurement results “between” individual colour scales. Ergonomic design and high quality materials also simplify measurements.

So far, 43 different parameter can be tested with the same basic model. Just a different disc and reagents are needed to extend your Comparator-Kit.

Each Water-i.d.[®] Comparator-Kit comes in a grey plastic case with foam insert, including a basic Comparator device, at least 2x square 10ml plastic cuvettes, a stirring rod, a cleaning brush and reagents (tablets, liquids or powders, depending on the parameter) to perform at least 30 tests.



| | |
|---------------------|------------------|
| Active Oxyg. (MPS) | 0 – 20 mg/l |
| Alkalinity | 0 – 250 mg/l |
| Aluminium | 0.00 – 0.30 mg/l |
| Ammonia | 0.00 – 1.00 mg/l |
| Bromine | 0.0 – 10.0 mg/l |
| Carbohydrazide | 0.00 – 0.65 mg/l |
| Calcium Hardn. | 0 – 500 mg/l |
| Chloride | 0 – 40 mg/l |
| Chlorine | 0.00 – 1.00 mg/l |
| Chlorine HR | 0.2 – 5.0 mg/l |
| Chlorine VHR | 0 – 300 mg/l |
| Chlorine Diox. LR | 0.00 – 1.90 mg/l |
| Chlorine Diox. | 0.00 – 6.65 mg/l |
| Copper | 0.0 – 5.0 mg/l |
| Copper Zinc LR | 0.00 – 1.00 mg/l |
| Copper Zinc HR | 0.0 – 5.0 mg/l |
| Colour (Hazen Apha) | 15 – 500 units |
| Cyanuric Acid | 20 – 80 mg/l |
| DEHA | 0.0 – 0.5 mg/l |
| Fluoride | 0.00 – 2.00 mg/l |
| Hyd. Peroxide | 5 – 50 mg/l |
| Iron LR | 0.05 – 1.00 mg/l |

| | |
|-----------------|------------------|
| Iron HR | 1.0 – 10.0 mg/l |
| Magnesium | 1 – 100 mg/l |
| Manganese | 0.0 – 5.0 mg/l |
| Molybdate HR | 0 – 100 mg/l |
| Molybdate VHR | 0 – 500 mg/l |
| Nitrate HR | 1 – 100 mg/l |
| Nitrite LR | 0.00 – 0.50 mg/l |
| Ozone | 0.0 – 3.4 mg/l |
| pH 6.5 – 8.4 | 6.5 – 8.4 pH |
| pH 4 – 10 | 4 – 10 pH |
| PHMB | 10 – 100 mg/l |
| Phosphate LR | 0.00 – 4.00 mg/l |
| Phosphate HR | 0 – 80 mg/l |
| Potassium | 0.8 – 12.0 mg/l |
| QAC HR | 0 – 200 mg/l |
| Silica HR | 0 – 100 mg/l |
| Silica LR | 0.00 – 5.00 mg/l |
| Sodium-Hypochl. | 2 – 18 % |
| Sulphide | 0.04 – 0.50 mg/l |
| Total Hardness | 20 – 500 mg/l |
| Zinc | 0.00 – 1.00 mg/l |

FLEXI TESTER®

RAPID DISSOLVING WATER-I.D.®
TABLET REAGENTS

ONGOING COLOUR SCALE ON A
PARAMETER-STICK

CONVENIENT BOX FOR TRANSPORT
AND STORAGE

EASY PUSH THROUGH BLISTER



WATER

Water-i.d.® FlexiTester® provides you with access to semi-professional water analysis.

While FlexiTesters® are visual measurement devices, the arrangement of the measured colour to the scale – and the determination of the measurement value – is much more precise with FlexiTesters® because the measurement is compared to an ongoing colour scale on a parameter-stick.

There are no measurement results “between” individual colour scales. Ergonomic design and high quality materials also simplify measurements. So far, 43 different parameter-methods can be tested with the same basic model.

Just a different parameter-stick and reagents are needed to extend your FlexiTester® kit.



| | |
|---------------------|------------------|
| Active Oxyg. (MPS) | 0 – 20 mg/l |
| Alkalinity | 0 – 250 mg/l |
| Aluminium | 0.00 – 0.30 mg/l |
| Ammonia | 0.00 – 1.00 mg/l |
| Bromine | 0.0 – 10.0 mg/l |
| Carbohydrazide | 0.00 – 0.65 mg/l |
| Calcium Hardn. | 0 – 500 mg/l |
| Chloride | 0 – 40 mg/l |
| Chlorine | 0.00 – 1.00 mg/l |
| Chlorine HR | 0.2 – 5.0 mg/l |
| Chlorine VHR | 0 – 300 mg/l |
| Chlorine Diox. LR | 0.00 – 1.90 mg/l |
| Chlorine Diox. | 0.00 – 6.65 mg/l |
| Copper | 0.0 – 5.0 mg/l |
| Copper Zinc LR | 0.00 – 1.00 mg/l |
| Copper Zinc HR | 0.0 – 5.0 mg/l |
| Colour (Hazen Apha) | 15 – 500 units |
| Cyanuric Acid | 20 – 80 mg/l |
| DEHA | 0.0 – 0.5 mg/l |
| Fluoride | 0.00 – 2.00 mg/l |
| Hyd. Peroxide | 5 – 50 mg/l |
| Iron LR | 0.05 – 1.00 mg/l |

| | |
|-----------------|------------------|
| Iron HR | 1.0 – 10.0 mg/l |
| Magnesium | 1 – 100 mg/l |
| Manganese | 0.0 – 5.0 mg/l |
| Molybdate HR | 0 – 100 mg/l |
| Molybdate VHR | 0 – 500 mg/l |
| Nitrate HR | 1 – 100 mg/l |
| Nitrite LR | 0.00 – 0.50 mg/l |
| Ozone | 0.0 – 3.4 mg/l |
| pH 6.5 – 8.4 | 6.5 – 8.4 pH |
| pH 4 – 10 | 4 – 10 pH |
| PHMB | 10 – 100 mg/l |
| Phosphate LR | 0.00 – 4.00 mg/l |
| Phosphate HR | 0 – 80 mg/l |
| Potassium | 0.8 – 12.0 mg/l |
| QAC HR | 0 – 200 mg/l |
| Silica HR | 0 – 100 mg/l |
| Silica LR | 0.00 – 5.00 mg/l |
| Sodium-Hypochl. | 2 – 18 % |
| Sulphide | 0.04 – 0.50 mg/l |
| Total Hardness | 20 – 500 mg/l |
| Zinc | 0.00 – 1.00 mg/l |

MINI-KITS

SIMPLE DOSING REAGENTS

VARIOUS PARAMETERS AND KITS

TABLET COUNT METHOD (TITRATION)

YES | NO METHOD

TURBIDITY METHOD



WATER

Some Water-i.d.® Mini Kits are based on the tablet counting method, in which tablets are added to the water until the colour changes in a defined way. The amount of added tablets is entered into a formula to determine the measured value. The innovative Water-i.d.® tablet push-through blisters simplify the procedure.

In the turbidity method, the water sample becomes turbid after the reagent is added. The intensity of the turbidity determines the value. In the yes/no test method, a distinction is made between 2 different colours. Depending on which colour develops, the parameter is present in the sample or not. All the titration and turbidity methods and the yes/no test are simple and proven measuring methods for determining water values.

Each Water-i.d.® Mini Kit is supplied in a gray plastic case with foam insert, at least 1x 100ml plastic beaker with

measuring and dilution scale, stirring rod, cleaning brush and – parameter dependent – 100 reagent tablets. The measuring range can be easily extended by diluting the water sample.



| Item-Code | Parameter | Measurement-range | Tablet Count | Turbidity | Yes No |
|-----------|--------------------------------------|--|--------------|-----------|--------|
| SVZ500 | Alkalinity-M | (10 – 500 mg/l CaCO ₃) | . | | |
| SVZ550 | Alkalinity-P | (20 – 500 mg/l CaCO ₃) | . | | |
| SVZ555 | Alkalinity-P (./ BaCl ₂) | (20 – 500 mg/l CaCO ₃) | . | | |
| SVZ1300 | Calcium Hardness | (10 – 500 mg/l CaCO ₃) | . | | |
| SVZ1400 | Total Hardness HR | (5 – 500 mg/l CaCO ₃) | . | | |
| SVZ1450 | Total Hardness LR | (1 – 50 mg/l CaCO ₃) | . | | |
| SVJ1400 | (Total) Hardness yes-no | (4 8 20 mg/l CaCO ₃) | | | . |
| SVZ1600 | Chloride | (5 – 5000 mg/l Cl ⁻) | . | | |
| SVT1100 | Cyanuric Acid | (0 – 200 mg/l) | . | | |
| SVZ1700 | Nitrite | (70 – 1500 mg/l NaNO ₂) | . | | |
| SVZ1800 | Sulphite (LR) | (2 – 50 mg/l Na ₂ SO ₃) | . | | |
| SVZ1850 | Sulphite (HR) | (10 – 500 mg/l Na ₂ SO ₃) | . | | |
| SVZ2700 | Clean. Ac. Strength | (0.75 – 10.00 %) | . | | |
| SVS2800 | Permanganate Value* | 0 → 30 | | | . |
| SVZ3700 | Phosphonate | (0 – 20 mg/l) | . | | |
| SVT4000 | Turbidity and Susp. Solids | -- | | . | |

*BOD Sewage 0 → 150 | BOD Effluent 0 → 45 | COD Sewage 0 → 300 | COD Effluent 0 → 210 | TOC Sewage 0 → 90 | TOC Effluent 0 → 6

BALANCED WATER KITS

PERFECT MATCHING
COMBINATION OF THE COMPARATOR METHOD AND MINI-KITS

TABLET COUNT METHOD

TURBIDITY METHOD

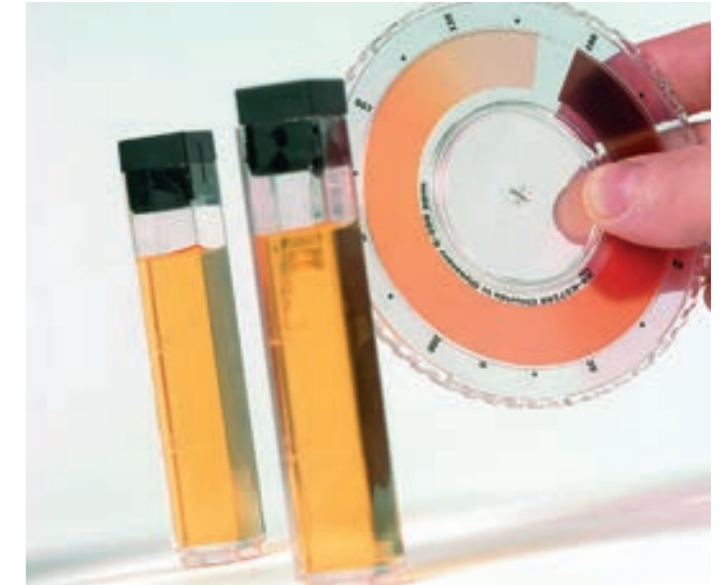


WATER

Balanced Water Kits are a perfect matching combination of the Comparator method and Mini-Kits, such as the tablet count method and the turbidity method, covering many important water parameters in one kit.

Water-i.d.® offers kit combinations such as:
 Comparator: pH, Chlorine (free|combined|total)
 Tablet count: Total Alkalinity, Calcium Hardness
 Turbidity: Cyanuric Acid

Each Water-i.d.® Balanced-Water kit is supplied in a grey plastic case with foam insert, 1x Comparator device, 2x Comparator cells, 2x 100ml plastic cans for mixing and dilution, stirring rod, cleaning brush, 10ml syringe (BWK145-11 only). Also reagents for at least 30 tests pH, chlorine or bromine and 100 tablets each for the counting method and turbidity method (Alkalinity, Calcium Hardness, Cyanuric Acid) are included..



| Item-Code | Product Description | Measurement-range |
|-----------|---|--|
| BWK145 | Balanced Water Kit. Kit to determine: · pH (Comparator Method) · Chlorine (free combined total) (Comparator Method) · Total Alkalinity (Tablet Count Method) · Calcium Hardness (Tablet Count Method) | pH (6.5 – 8.4) Chlorine (0.0 – 5.0 ppm) Total Alkalinity (10 – 500 ppm CaCO ₃) Calcium Hardness (10 – 500 ppm CaCO ₃) |
| BWK145-11 | Balanced Water Kit. Kit to determine: · pH (Comparator Method) · Chlorine (free combined total) (Comparator Method) · Total Alkalinity (Tablet Count Method) · Calcium Hardness (Tablet Count Method) · Cyanuric Acid (Turbidity Method) | pH (6.5 – 8.4) Chlorine (0.0 – 5.0 ppm) Total Alkalinity (10 – 500 ppm CaCO ₃) Calcium Hardness (10 – 500 ppm CaCO ₃) Cyanuric Acid (20 – 200 ppm) |
| BWK845 | Balanced Water Kit. Kit to determine: · pH (Comparator Method) · Bromine (total) (Comparator Method) · Total Alkalinity (Tablet Count Method) · Calcium Hardness (Tablet Count Method) | pH (6.5 – 8.4) Bromine (0.0 – 10.0 ppm) Total Alkalinity (10 – 500 ppm CaCO ₃) Calcium Hardness (10 – 500 ppm CaCO ₃) |
| BWK845-11 | Balanced Water Kit. Kit to determine: · pH (Comparator Method) · Bromine (total) (Comparator Method) · Total Alkalinity (Tablet Count Method) · Calcium Hardness (Tablet Count Method) · Cyanuric Acid (Turbidity Method) | pH (6.5 – 8.4) Bromine (0.0 – 10.0 ppm) Total Alkalinity (10 – 500 ppm CaCO ₃) Calcium Hardness (10 – 500 ppm CaCO ₃) Cyanuric Acid (20 – 200 ppm) |

ELECTRONIC METER

ELECTROCHEMICAL MEASUREMENT

**PH, CONDUCTIVITY (EC),
SALINITY, TDS, TEMPERATURE,
ORP (REDOX), SALT, DO
(DISSOLVED OXYGEN)**

**ATC (AUTOMATIC TEMPERATURE
COMPENSATION) DEPENDING
ON THE MODEL**



WATER

Without requiring additional reagents (tablets, drops, etc.) Water-i.d.® Electronic Meters offer a professional way to measure various water parameters, such as conductivity, salinity, total dissolved solids, pH, Temperature and ORP (Redox).

The test result is displayed on the device within seconds after dipping it in the water sample.

The sensitive pH and ORP electrodes should always be kept moist* and all Electronic Meter models should be calibrated regularly – at best before each measurement – with Water-i.d.® standard solutions.

Depending on the model used, the measured values are automatically temperature compensated.



| Item-Code | Product Description | Measurement Range | Resolution | Precision | Calibration | Automatic Temp. Compensation |
|-----------|---|--|---|--|-----------------------|---|
| FT6011** | Electronic pH Meter | pH (0.0 – 14.0) | 0.1 pH | +/- 0.1 pH | 1 point, manual | --- |
| FT6012** | Electronic pH Meter | pH (0.00 – 14.00) | 0.02 pH | +/- 0.01 pH | 1 point, manual | automatic 0 – 90°C with $\beta = 2\%/^{\circ}\text{C}$ |
| FT7011** | Electronic Meter for pH-, ORP-(Redox) and Temperature | pH (-2.00 – 16.00) ORP (+/- 1000mV) Temp. (0 – 90 °C) | 0.02 pH 1 mV 0.1°C | +/- 0.01 pH +/- 2 mV +/- 0.2 °C | 2 point, automatic | automatic 0 – 90°C with $\beta = 2\%/^{\circ}\text{C}$ |
| FT7021** | Electronic Meter EC, TDS, Salinity Temperature | EC (0 – 2000 $\mu\text{S}/\text{cm}$) (2.00 – 20.00 mS) TDS (0 – 1300 mg/l) (1.30 – 13.00 g/l) Salinity (0 – 1000 mg/l) (1.00 – 12.00 g/l) Temp. (0 – 90 °C) | (1 $\mu\text{S}/\text{cm}$) (0.01 mS) (1 mg/l) (0.01 g/l) (1 mg/l) (0.01 g/l) 0.1°C | +/- 2 % EC +/- 2 % TDS +/- 2 % Salinity +/- 0.2 °C | 2 point, automatic | automatic 0 – 50°C with $\beta = 2\%/^{\circ}\text{C}$ |
| FT7031** | Electronic Meter DO, O ₂ Temperature | DO (0.00 – 20.00 mg/l) O ₂ (0 – 200%) Temp. (0 – 90 °C) | 0.01 mg/l 0.1 % 0.1°C | +/- 0.1 mg/l +/- 2 % O ₂ +/- 0.2 °C | 2 point, automatic | automatic 0 – 50°C with $\beta = 2\%/^{\circ}\text{C}$ |
| FT7200** | Electronic Meter pH, ORP, EC, TDS, Salinity Temperature | pH (-2.00 – 16.00) ORP (+/- 1000mV) EC (0 – 2000 $\mu\text{S}/\text{cm}$) (2.00 – 20.00 mS) TDS (0 – 1300 mg/l) (1.30 – 13.00 g/l) Salinity (0 – 1000 mg/l) (1.00 – 12.00 g/l) Temp. (0 – 90 °C) | 0.02 pH 1 mV (1 $\mu\text{S}/\text{cm}$) (0.01 mS) (1 mg/l) (0.01 g/l) (1 mg/l) (0.01 g/l) 0.1 °C | +/- 0.01 pH +/- 2 mV +/- 2 % EC +/- 2 % TDS +/- 2 % Salinity +/- 2 °C | 2 point, automatic | automatic 0 – 90°C pH/mV 0 – 50°C EC TDS Salinity $\beta = 2\%/^{\circ}\text{C}$ |



*Ideally, the electrode is stored in a 3 – 3.5 molar potassium chloride solution so that the concentration gradient and thus the ion migration out of the electrode is as low as possible

**With 21x18 mm display, IP57 waterproof, exchangeable electrode

CALIBRATION SOLUTIONS

NIST TRACEABLE

MADE IN GERMANY

SPECIFIC FOR PH, TDS
& ORP ELECTRODES



WATER

*More available on request. Available in 20ml, 100ml 500ml, 1000ml and 10l packages.

| Item-Code* | Product Description | FT Model |
|--------------|--|---------------------------------|
| EMpHbuf100 | „pH 1.00“ calibration solution | -- |
| EMpHbuf200 | „pH 2.00“ calibration solution | -- |
| EMpHbuf300 | „pH 3.00“ calibration solution | -- |
| EMpHbuf307 | „pH 3.07“ calibration solution | -- |
| EMpHbuf356 | „pH 3.56“ calibration solution | -- |
| EMpHbuf400 | „pH 4.00“ calibration solution | FT7011, FT7200 |
| EMpHbuf430 | „pH 4.30“ calibration solution | -- |
| EMpHbuf465 | „pH 4.65“ calibration solution | -- |
| EMpHbuf600 | „pH 6.00“ calibration solution | -- |
| EMpHbuf680 | „pH 6.80“ calibration solution | -- |
| EMpHbuf700 | „pH 7.00“ calibration solution | FT6011, FT6012, FT7011, FT7200, |
| EMpHbuf800 | „pH 8.00“ calibration solution | -- |
| EMpHbuf922 | „pH 9.22“ calibration solution | -- |
| EMpHbuf927 | „pH 9.27“ calibration solution | -- |
| EMpHbuf1000 | „pH 10.00“ calibration solution | FT7011, FT7020 |
| EMpHbuf1013 | „pH 10.13“ calibration solution | -- |
| EMpHbuf1100 | „pH 11.00“ calibration solution | -- |
| EMpHbuf1200 | „pH 12.00“ calibration solution | -- |
| EMpHbuf1300 | „pH 13.00“ calibration solution | -- |
| EMtdsbuf1382 | „TDS 1382 ppm“ calibration solution | -- |
| EMtdsbuf644 | „TDS 6.44 ppt“ calibration solution | -- |
| EMecbuf1413 | „EC 1413 µS/cm“ calibration solution | FT7021, FT7200 |
| EMecbuf1288 | „EC 12.88 mS/cm“ (KCl 0.1 mol/l) cal. sol. | FT7021, FT7200 |
| EMorpbuf468 | „ORP +468mV“ calibration solution | FT7011, FT7200 |
| EMorpbuf220 | „ORP +220mV“ calibration solution | -- |

*More available on request. Available in 20ml, 100ml 500ml, 1000ml and 10l packages.

ONLINE SENSORS

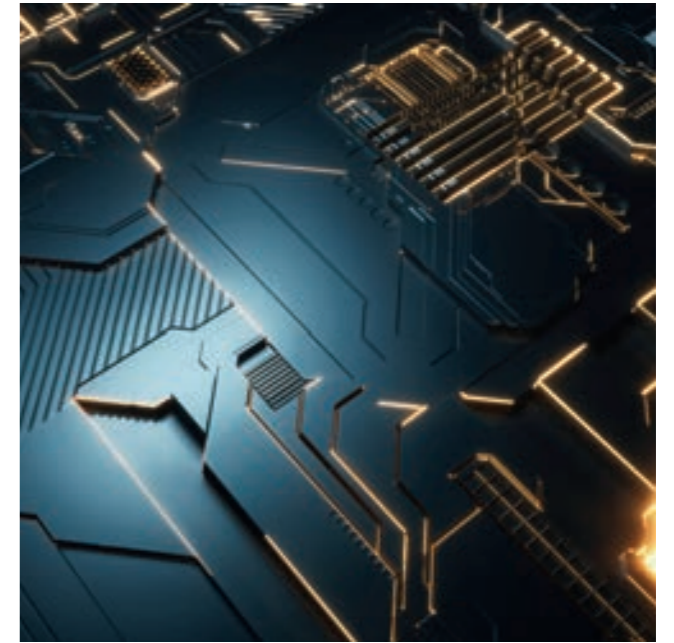
- ONLINE MONITORING
- RETROFIT POSSIBLE
- COMPLEMENTARY TO ROUTINE ANALYSES



Online sensors support routine investigations in many areas. We at Water-i.d.® also offer our customers products from this product range.

The FerroS Sensor for example is an intelligent sensor for determination of the condition of hydraulic and lubricating systems based on ferromagnetic wear particles. The sensor is a screw-in/immersion sensor and is designed for continuous monitoring of ferromagnetic contamination in oil. The LubCos H20 product line measures changes in hydraulic fluids and lubricants. Data is continuously documented, evaluated and stored. In that way deterioration and changes in the oil (e.g. water leakage, oil change, ...) can be indicated. Through this, damage can be recognized or completely avoided at an early stage.

This offers the opportunity to prevent machine failures as well as to prolong maintenance and oil change intervals by means of appropriate measures. Furthermore, by monitoring the lubricant, correctly performed maintenance work and the use of the required lubricant quality may be documented.



| Item-Code | Product Description Online Sensors | Measurement Range |
|--------------------------|--|---|
| WIDmar-portablonlinesens | This Portable Oil Lab enables particle measuring classes according to ISO 4406:1999, SAE AS4059, NAS 1638 and GOST 17216. In addition, the relative humidity and oil temperature are displayed. Optionally, further information on the oil condition, taken from the conductivity and polarity of the oil, can be shown via the integrated display. Classes according to ISO 4406:1999, SAE AS4059, NAS 1638 and GOST 17216. In addition, the relative humidity and oil temperature are displayed. Optionally, further information on the oil condition, taken from the conductivity and polarity of the oil, can be shown via the integrated display. | Temperature -20 – +120 °C Rel. dielectric n° 1 – 7 Conductivity 100 – 800000 pS/m Rel. Humidity 0 – 100 V% |
| WIDmar-H20monOel | Stationary screw-in sensor for continuous determination of the oil condition, humidity and temperature in hydraulic and lubricating oils | Temperature -20 – +85 °C Rel. dielectric n° 1 – 7 Conductivity 100 – 800000 pS/m Rel. Humidity 0 – 100 V% |
| WIDmar-FerromonOel | Stationary screw-in sensor for continuous monitoring of ferromagnetic contamination in lubricating oils | Fine particles 0 – 100 % Coarse particles 0 – 10 |

DIPSLIDES AND INCUBATORS

RELIABLE BACTERIAL TESTS

LIQUID AND SURFACE TESTING

FLEXIBLE PADDLE



BactEDT057
Incubator for 2 dipslides



BactEDT055
Incubator for 8 dipslides



BactEDT059
Incubator for 10 dipslides



BactEDT052
Incubator for 20 dipslides



BactEDT093
Incubator for 45 dipslides

WATER

The definition of a dipslide is a means of testing the microbial content of liquids or surfaces. It consists of a plastic carrier bearing a sterile culture medium which can be dipped in the liquid or pressed on to the surface to be sampled. It is then incubated for 48 hours at a specific temperature to allow microbial growth. The resulting microbial colonies are estimated by reference to a chart. If the treatment programme is effective, the dipslide count will be consistently low (<10⁴). If a high result is obtained, the test should be repeated and the treatment programme checked. Each Water-i.d.® Dipslide pack contains 10 dipslides along with a comparison chart to obtain the test result.

| Item-Code | Product Description DIPSLIDES |
|-----------|---|
| BactD001 | TTC/TTC Dipslide Tests for Total Viable Count in waters and surfaces. Flexible paddle for effective surface contact. |
| BactD002 | Malt/TTC Dipslide Tests for Yeasts, Moulds, Fungi and Total Viable Count in waters and surfaces. Flexible paddle for effective surface contact. |
| BactD003 | RBS/TTC Dipslide Tests for Yeasts, Moulds, Fungi and Total Viable Count for food and manufacturing industry. Flexible paddle for effective surface contact. |
| BactD004 | MAC/TTC Dipslide Tests for Total Viable count / Coliforms in process water. Flexible paddle for effective surface contact. |
| BactD005 | Chromogenic/TTC Dipslide Tests for Total Viable Count / E.coli* + Coliforms for enumeration of E.coli*. Flexible paddle for effective surface contact. *Requires the use of an UV lamp to show E.coli |
| BactD006 | PDM/MAC Dipslide Tests for Pseudomonas spp. – Coliforms for potable water, pools and spas. Flexible paddle for effective surface contact. |
| BactD007 | PDM/TTC Dipslide Tests for Total Viable Count / Pseudomonas spp. for closed water systems, pools and spas. Flexible paddle for effective surface contact. |
| BactD008 | SRB Tube Tests for Sulphide reducing bacteria in Closed water systems. Flexible paddle for effective surface contact. |
| BactD009 | NRB Tube Tests for Nitrite reducing bacteria in Closed water systems. Flexible paddle for effective surface contact. |
| BactD011 | BactD011 R2A/R2A Dipslide Tests for A. Hydrophila, P. Fluorescens, Strep. Pyogenes and E.Coli for potable water and waste water. |

| Item-Code | Product Description INCUBATORS | Voltage |
|-------------|---|------------------|
| BactEDT057 | Incubator for 2 Dipslide Tests. Pre-set to 35°C. | 110 220 V |
| BactEDT055 | Incubator for 8 Dipslide Tests. Pre-set to 30°C | 12 110 220 V |
| BactEDT059 | Incubator for 10 Dipslide Tests. With temperature gauge and adjustable temperature. Ideal for NRB/SRB tests. Only offered with 240 V. | 12 110 220 V |
| BactEDT052 | Incubator for 20 Dipslide Tests. With temperature gauge and adjustable temperature. | 12 110 220 V |
| BactEDT093 | Incubator for 45 Dipslide Tests. With temperature gauge and adjustable temperature. | 12 110 220 V |
| BactEDT-12V | 12V car-lead for BactEDT057 BactEDT055 BactEDT052 BactEDT093 | 12 V |

| Item-Code | Product Description Accessories |
|---------------|---|
| WIDmar-UVlamp | Powerful UV LED 3 W (365nm) UV lamp (365nm) made of aluminum Digital voltage regulation for input voltage 3.6–8.4 V Titanium black, scratch-resistant housing made of hard-anodized aerospace aluminum Durable, lubricated O-ring seal for reliable protection against spray-water and water jets Durable aluminum reflector AAA battery (not included) |

INDIVIDUAL MICRO TESTS

RELIABLE

EASY TO USE

FUEL, OIL & WATER TESTS



WATER

OIL

FUEL

In the maritime industry there is a wide range of microbiological/viral tests that we cover in addition to the Dipslides. Whether Cholera, Covid-19 rapid tests or HPC tests, we cover your needs. Please ask us for more details!



| Item-Code | Product Description Individual Micro Tests |
|-------------------|---|
| IDX-Entero-USA | Pack 20 of the Enterococci-test "Enterolert", USA version acc. to ASTM |
| IDX-Ecoli-USA | Pack 20 of the E.Coli-test "ColiLert", USA version acc. to ASTM |
| WIDmar-VibCh100 | Pack 100 of the Vibrio Cholera test from Diagnose |
| WIDmar-BactD002FL | Malt/TTC Dipslide Tests for Yeasts, Moulds, Fungi and Total Viable Count for fuel and lubricants: Flexible paddle for effective surface contact. |
| WIDmar-BactD003FL | RBS/TTC Dipslide Tests for Yeasts, Moulds, Fungi and Total Viable Count for fuel and lubricants. Flexible paddle for effective surface contact |
| WIDmar-BactHPC | Sampler Test for microbiological analysis of surfaces for bioburden levels of bacteria, yeast or mold. Ideal for the ballast water sector. |
| WIDmar-Covid19 | Pack 5 high quality Corona Antigen Self Test, which is used for the qualitative detection of SARS-CoV-2 nucleocapsid antigens in the anterior nasal cavity. It is based on the lateral flow immunoassay method, which uses antibodies to detect specific antigens in the specimen swab. |

Recommended accessories

| Item-Code | Features |
|---------------|--|
| WIDmar-UVlamp | Powerful UV lamp (365nm) UV lamp (365nm) made of aluminum. Digital voltage regulation for input voltage 3.6-8.4 V Titanium black, scratch-resistant housing made of hard-anodized aerospace aluminum Durable, lubricated O-ring seals for reliable protection against spray-water and water jets Durable aluminum reflector AAA battery (not included) |

LEGIONELLA TEST-KITS



KIT-FEATURES:

- 1-HOUR LEGIONELLA SPP. TEST
- DETECTS ONLY LIVING LEGIONELLA
- QUANTITATIVE 60-10⁶ CFU
- AOAC CERTIFIED
- ALL-IN-ONE CASE



WATER

Water-i.d.® introduces a new, patented method to test viable Legionella Sp. in just one hour without the need to let bacteria grow!

Legionella bacteria, in special Legionella pneumophila serogroup 1, is a harmful threat with a mortality rate of up to 30%. Once Legionella are inhaled (droplets in the air), they grow in human lungs and can cause Pontiac fever or even Pneumonia (Legionnaire's disease). The issue with current method (culture) is that it takes up to 14 days to let Legionella grow on a petri dish to be visible and countable, which is far too long to allow effective actions.

Legipid® on PrimeLab 2.0 takes a different approach: As with the culture method, 1 litre of water is filtered to collect the Legionella. After the Legionella are released from the filter, a patented reagent is added that contains micro-bits with a magnetic core covered with an antibody. Only living Legionella spp. (no false positives!) are captured by the antibodies. After several washing steps, a colour tracer, also linked to an antibody, is added, which binds with

the Legionella spp. already bound to the micro-bit. This makes viable Legionella visible (pink colour) to be detected by the PrimeLab.

The PrimeLab measures the colour and converts it to 60 – 10⁶ into Colony Founding Units (CFU). As the PrimeLab is connected via WiFi|USB|Bluetooth® to a free software and app, both of which are synchronised via the cloud, reporting is very easy. In addition, the PrimeLab can perform more than 140 different parameter methods from ammonia to zinc. A true "one for all".



| Legionella Basic Kit |
|--|
| <p>Basic Kit (Auto-Filtration max. 9 tests*): This Basic Kit is suitable if Legionella tests are only carried out from time to time and contains reagents for up to 9 tests. Contents:</p> <ul style="list-style-type: none"> 1 x Holder with magnet to hold 4 MHCB cuvettes, for use as single cuvette or with LG-MP4 stirrer 1 x PrimeLab 2.0 adapter for use with rectangular 1ml semi-micro-vials (rectangle) ID 147 (Legionella) pre-activated 1 x LGP-10 kit for performing max. 9 tests (1 control / batch) |
| <p>PrimeLab 2.0 starter kit (Legionella parameter activated) contains:</p> <ul style="list-style-type: none"> 1 x Grey plastic carrying case with foam insert. 1 x PrimeLab 2.0 Multitest Photometer 4 x 24mm/10ml cuvettes with lid (light protection integrated in the lid) 1 x Light shield (for 16mm and 1ml cuvettes as well as control standards) 1 x 24mm cuvette adapter (built-in; exchangeable) 1 x 10.5 cm stirring rod 1 x 10ml plastic syringe (graduated) 1 x Cuvette cleaning brush 1 x Microfibre cleaning cloth for cuvettes 1 x Bluetooth® USB dongle 1 x Charger with cable (USB Type-C) 1 x Printed user manual in a ring binder |
| <p>Professional filter equipment:</p> <ul style="list-style-type: none"> 1 x Vacuum pump 1 x Filtration funnel 1 x Glass collection bottle 1000ml 1 x Tweezer 1 x Scissor 100 filter papers GF/C (47mm) 100 filter bags 0,40µ (47mm) |



*see on next page

Legionella Professional Kit

Professional kit (Auto-filtration | max 99 tests*):
The Professional Legionella Kit is a self-contained, portable laboratory with all accessories to quickly perform up to 19 tests in parallel and contains reagents for up to 99 tests.

Contents:

- 1 x Rack with magnet for holding 4 MHCB cuvettes, for use as single cuvette or with LG-MP4 stirrer
- 1 x PrimeLab 2.0 adapter for use with rectangular 1ml semi-micro-vials (rectangle)
- ID 147 (Legionella) pre-activated
- 1 x LGP-100 kit to perform max. 99 tests (1 control / batch)
- 1 x Professional laboratory pipette (0 - 1000 µl)
- 100 x Tips for 0 - 1000 µl pipette
- 100 x 60ml elution bottle
- 1 x MP4 stirrer with accessories to manage 19 samples
- 1 x Table cloth for managing MP4 racks
- 1 x Silver aluminium trolley with foam inserts

PrimeLab 2.0 starter kit (Legionella parameter activated) contains:

- 1 x PrimeLab 2.0 Multitest Photometer
- 4 x 24mm/10ml cuvettes with lid (light shield integrated in lid)
- 1 x Light shield (for 16mm and 1ml cuvettes as well as control standards)
- 1 x 24mm cuvette adapter (built-in; exchangeable)
- 1 x 10.5 cm stirring rod
- 1 x 10ml plastic syringe (graduated)
- 1 x Cuvette cleaning brush
- 1 x Microfibre cleaning cloth for cuvettes
- 1 x Bluetooth® USB dongle
- 1 x Charger with cable (USB Type-C)
- 1 x Printed user manual in a ring binder

Professional filtration equipment:

- 1 x Filtration funnel
- 1 x Vacuum pump
- 1 x Glass collection bottle 1000ml
- 1 x Tweezer
- 1 x Scissor
- 100 filter papers GF/C (47mm)
- 100 filter bags 0,40µ (47mm)

| Item-Code | Product Description | Possible No. Of Tests | Min. | Max. |
|-----------|--|-----------------------|------|------|
| LGP-10 | Kit 10: Includes single dose reagents L0/L1/L2/L3/L4/L5, 5 x disposable pipettes, 10 x 3ml measuring vials, 10 x 9ml handling vials | | 5 | 9 |
| LGP-40 | Kit 40: Includes bulk units (lab pipette required) of reagents L0/L1/L2/L3/L4/L5, 40 x 3ml measuring vials, 40 x 9ml handling vials | | 20 | 39 |
| LGP-100 | Kit 100: Includes bulk units (lab pipette required) of reagents L0/L1/L2/L3/L4/L5, 100 x 3ml measuring vials, 100 x 9ml handling vials | | 50 | 99 |



*No matter if just one or many Legionella tests are performed at a time/ in parallel, only one set of reagents is needed to perform a CONTROL/ZERO. By that, a Legipid-kit "10" is good for at least 5 tests (only one test at a time) or a maximum of 9 tests (if 9 tests are performed in parallel). Nevertheless, one LG-MP4-rack (cuvette holder with magnet) can handle up to 3 tests + 1 CONTROL. "Basic Kit" provides 1 x LG-MP4-rack (max 3 tests in parallel, "Professional Kit" provides 5 x LG-MP4-rack (max 19 tests in parallel).

LEGIONELLA RAPID TEST-KITS

KIT-FEATURES:

- 35 MIN TEST**
- EASY TO USE**
- SMARTPHONE READER AVAILABLE**



The world's only test that can detect Legionella pneumophila serogroup 1 on-site in 25 minutes (compared with 7 – 14 days for traditional methods) and yet can be performed by anyone with minimal training. The convenience and incredible ease of use, make these test the first choice for companies where reputation is crucial; where customer and employee safety are paramount; where clients are vulnerable and where facilities are in remote locations.

The world's only test that can detect Legionella pneumophila serogroup 1 on-site in 25 minutes (compared with 7– 14 days for traditional methods) and yet can be performed by anyone with minimal training. The convenience and incredible ease of use, make these test the first choice for companies where reputation is crucial; where customer and employee safety are paramount; where clients are vulnerable and where facilities are in remote locations. Ensitivity ranges from 100 CFU/L for water tests and 200 CFU/per swabbed area for swab tests. This range offers ul-

tra sensitive detection for countries where actions levels and guidance are more stringent and industries where risk is high.

This range offers a targeted solution by detecting the most dangerous strain of Legionella, Legionella pneumophila SG1, which is responsible for almost all known cases of Legionnaires' disease ever recorded.



| Item-Code | Product Description | N° of Strips | Measurement Range |
|------------------------|--|-------------------------|-------------------|
| WIDmar-legio-dirc-ALL | Legionella Direct Test Kit [10x tests] | 1000 – 1000000 cfu/l | Testcard |
| WIDmar-legio-indu-ALL | Legionella Industrial Test Kit [5x tests] | 100 – 1000000 cfu/l | Testcard |
| WIDmar-legio-indu-EU | Legionella Industrial EU Test Kit [5x tests] | 1000 – 1000000 cfu/l | Testcard |
| WIDmar-legio-swab-ALL | Legionella Swab Test Kit [4x Tests] | 200 – 1000000 cfu/l | Testcard |
| WIDmar-legio-indu-repl | Refill Packs for Legionella Industrial Test Kit [5x tests] | 100 – 1000000 cfu/l | Testcard |
| WIDmar-legio-risk-ALL | Legionella Risk Assessment Test Kit [2 SWAB + 2 Single Syringe Tests] | 100/200 – 100000 cfu/l | Testcard |
| WIDmar-legio-risk-EU | Legionella Risk Assessment EU Test Kit [2 SWAB + 2 Single Syringe Tests] | 1000/200 – 100000 cfu/l | Testcard |
| WIDmar-legio-sing-EU | Legionella Single Syringe Test Kit [1x test] | 100 – 1000000 cfu/l | Testcard |
| WIDmar-legio-risk-EU | Legionella Single Syringe EU Test Kit [1x test] | 1000 – 1000000 cfu/l | Testcard |
| WIDmar-legio-risk-EU | Legionella Single Swab Test Kit [1x test] | 200 – 1000000 cfu/l | Testcard |

*see on next page

TEST STRIPS

**EASY READING AFTER
DIPPING INTO WATER**

BLISTERED IN ALUMINIUM

**EXTENDED SHELF-LIFE
UP TO 2 1/2 YEARS**

**PROTECTED FROM
MOISTURE AND AIR**

**VARIOUS PARAMETER
COMBINATIONS, INCLUDING SALT**



WATER

OIL

Water-i.d.® test strips are always packed either in 5 or 10 strips per aluminium blister (5 such blisters per box) to ensure a shelf life of at least 2 1/2 years and to protect the strips from humidity and air when opening the box.

Due to the long shelf life, it is no longer a problem to use excess stocks in the following season. A fact that will please your calculation and your customer. Water-i.d.® test strips give you good information about your water quality. The TSL600 test strip (capillary method) uses silver nitrate as a reagent and thus reacts directly with the salt to be measured, unlike electronic measuring devices which determine the salt content empirically via conductivity.

In addition to the general TSL product range, Water-i.d.® also carries a large portfolio of test strips from the WIDmar series which is specially adapted for use in maritime applications.



| Item-Code | Product Description | N° of Strips | Measurement Range |
|-----------|---|--------------|---|
| TSL100 | 3-in-1 Test Strips for the measurement of pH, free Chlorine, Bromine and Alkalinity values. Each 10 of 50 strips per bottle are packed in foil. | 50 | pH 6.8 – 8.2 Cl (f/c) 0.0 – 5.0 mg/l Br 0.0 – 11.0 mg/l Alk 0 – 240 mg/l |
| TSL200 | 3-in-1 Test Strips for the measurement of pH, Active Oxygen (O ₂ / MPS) and Alkalinity values. Each 10 of the 50 strips per bottle are packed in foil. | 50 | pH 6.8 – 8.2 O ₂ (MPS) 0 – 15 mg/l Alk 0 – 240 mg/l |
| TSL700 | 5-in-1 Test Strips for the measurement of pH, free Chlorine, Bromine Alkalinity, Total Hardness and Cyanuric Acid values. Each 10 of the 50 strips per bottle are packed in foil. | 50 | pH 6.8 – 8.2 Cl (f) 0.0 – 5.0 mg/l Br 0.0 – 11.0 mg/l Alk 0 – 240 mg/l Cyan.A. 0 – 150 mg/l |
| TSL600 | Test Strips for the measurement of Salt (NaCl). Each 5 of the 20 strips per bottle are packed in foil. | 20 | NaCl 0 – 8000 mg/l |
| TSL900 | 3-in-1 test strips for measuring pH, Chlorine dioxide (ClO ₂) and Alkalinity values. Each 10 of the 50 strips per bottle are packed in foil. | 50 | pH 6.8 – 8.2 ClO ₂ 0.0 – 5.0 mg/l Alk 0 – 240 mg/l |



| Item-Code | Product Description | N° of Strips | Measurement Range |
|------------------------|------------------------|--------------|--|
| WIDmar-9129807 | pH test strips | 100 | pH 0 – 14 |
| WIDmar-chloridstripe | Chloride test strips | 100 | Cl ⁻ 500 – 3000 mg/l |
| WIDmar-chromatestripe | Chromate test strips | 100 | CrO ₄ ²⁻ 3 – 100 mg/l |
| WIDmar-phosphatestripe | Phosphate test strips | 100 | PO ₄ ³⁻ 10 – 500 mg/l |
| WIDmar-sulfatestripe | Sulfate test strips | 100 | SO ₄ ²⁻ 200 – 1600 mg/l |
| WIDmar-sulfitestripe | Sulfite test strips | 100 | SO ₃ ²⁻ 10 – 400 mg/l |
| WIDmar-Nitratestripe | Nitrate test strips | 100 | NO ₃ ⁻ 10 – 500 mg/l |
| WIDmar-NitriteHRstripe | Nitrite HR test strips | 100 | NO ₂ ⁻ 1000 – 10000 mg/l |
| WIDmar-Nitritestripe | Nitrite test strips | 100 | NO ₂ ⁻ 100 – 3000 mg/l |

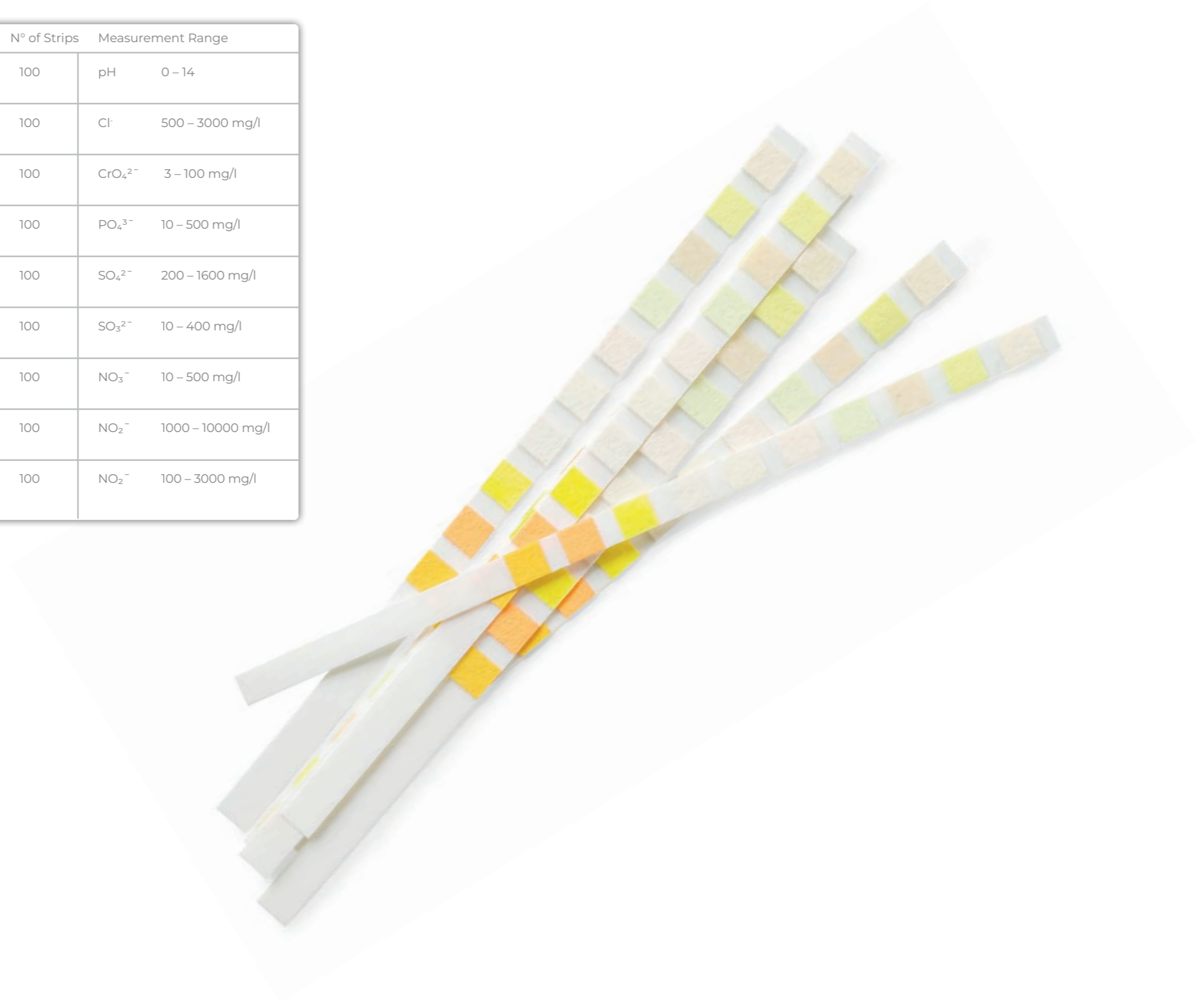


Image of test strips yellow/orange: Image used for general illustration purposes

REAGENTS OVERVIEW

ADVANTAGES OF WATER-I.D.® TABLETS:

- LONG SHELF LIFE**
- DELIVERED IN PUSH-THROUGH BLISTERS**
- EXACT DOSAGE**
- EASY SHIPPING**
- RAPID DISSOLVING TABLETS FOR VISUAL TEST METHODS**
- REAGENTS PRODUCED IN GERMANY AND UK**



Water-i.d.® reagent tablets are developed and produced exclusively in Germany. Currently, Water-i.d.® offers more than 85 different tablet types:

RAPID fast dissolving tablets for visual measurement (Pool-tester/Comparator/Mini-Kits), photometer tablets for the use in PrimeLab photometers as well as in many common photometer models of other well-known manufacturers, auxiliary tablets, such as EDTA and Dechlor as well as tablets for the counting method (titration).

Water-i.d. in addition offers ready made TubeTests for different applications. Liquid reagents and powder reagent, both "Made in UK" are offered as well. Water-i.d.® was the first reagent tablet manufacturer in the world using the practi-

cal tablet push-through blisters and was awarded for this. The Water-i.d.® reagents are distributed worldwide.



- Tablet reagents: 10 | 20 | 50 | 100 | 200 | 250 | 500 tablets per sales box
- Tube tests: 25 vials per kit
- Liquid reagents: 10ml | 20ml | 30ml | 65ml dropper bottles as well as prepared 1-time-use glass-vials
- Powder reagents: 10g | 20g | 30g | 40g | 50g | 60g cans with measurement spoon as well as 1-portion powder pillows
- Powder pillows: 50 | 100 Powder-Pillows in a bag



Parameters:

- | | | | |
|----------------------|--------------------------------------|------------------------|---------------------|
| Active Oxygen (MPS) | Copper | Isothiazolinone | Phosphorus (total) |
| Alkalinity M and P | Copper-in-Oil | Magnesium | Polyacrylate |
| Aluminium | Cyanuric Acid | Manganese | Potassium |
| Aluminium-in-Oil | DBNPA | Methylethylketoxime | PTSA |
| Ammonia | DEHA | Molybdate | QAC |
| BN LUX | Dissolved Oxygen | Nickel | Silica |
| Boron | Erythorbic Acid | Nitrate | Silica-in-Oil |
| Bromine | Fluorescein | Nitrite | Sodium Hypochlorite |
| Carbohydrazide | Fluoride | Nitrogen (total) | Sulphate |
| Chloramines | Hardness (Calcium, Magnesium, Total) | Oxidants (total) | Sulphide |
| Chloride | Hydrazine | Ozone | Sulphite |
| Chloride in Methanol | Hydrocarbons | Peracetic Acid | Suspended Solids |
| Chlorine | Hydrogen Peroxide | Permanganate Time Test | Tannic Acid |
| Chlorine Dioxide | Hydroquinone | pH-value | Turbidity (NTU) |
| Chlorite | Iodine | Phenol | Urea |
| Chromium | Iron | PHMB | Zinc |
| COD | Iron-in-Oil | Phosphate (ortho) | |
| Colour (Hazen APHA) | | Phosphonate | |



PRIMELAB 2.0

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| Item-Code | Parameter | ID | Range | Reagent (No. Of Tests) |
|----------------|---------------------|-----|----------------|---|
| TbsPD4 | Active Oxygen (MPS) | 01 | 0 – 40 mg/l | Tablets DPD N°4 |
| TbsPTA | Alkalinity-M | 05 | 5 – 200 mg/l | Tablets Alkalinity-M |
| PL30TA | Alkalinity-M Liquid | 193 | 5 – 200 mg/l | Liquid Alkalinity-M (110 tests) |
| TbsPTAHR | Alkalinity M (HR) | 121 | 0 – 500 mg/l | Tablets Alkalinity-M-HR |
| TbsPAP | Alkalinity-P | 06 | 25 – 300 mg/l | Tablets Alkalinity-P |
| TbsHALM1 | Aluminium | 04 | 0 – 0.3 mg/l | Tablets Aluminium N°1 |
| TbsPALM2 | Aluminium | 04 | 0 – 0.3 mg/l | Tablets Aluminium N°2 |
| WIDmar-ALU50 | Aluminium-in-Oil | 185 | 0 – 100 mg/l | Reagents and accessories kit to perform 50 tests |
| PPHAM1 | Ammonia (LR) | 02 | 0 – 1 mg/l | Powder P. Ammonia N°1 |
| PPPAM2 | Ammonia (LR) | 02 | 0 – 1 mg/l | Powder P. Ammonia N°2 |
| PPHAMsw | Ammonia (LR) | 02 | 0 – 1 mg/l | Powder P. Ammonia Sea-Water cond. |
| PL155-kit | Ammonia (HR) | 155 | 1 – 50 mg/l | Kit 50 Ammonia HR vial 50 Ammonia Salicylate F5 Powder Pack 50 Ammonia Cyanurate F5 Powder Pack 100ml deionised water |
| WIDmar-BNpl02 | BN [photometric] | 188 | 5 – 150 BN | Reagents and accessories kit to perform 50 tests |
| TbsHBO1 | Boron | 07 | 0 – 2 mg/l | Tablets Boron N°1 (25 tests) |
| TbsPBO2 | Boron | 07 | 0 – 2 mg/l | Tablets Boron N° 2 |
| TbsPD1 | Bromine | 08 | 0 – 18.00 mg/l | Tablets DPD N°1 |
| TbsHGC | Bromine | 08 | 0 – 18.00 mg/l | Tablets Glycine |
| PL30DPD1A | Bromine | 63 | 0 – 18.00 mg/l | Liquid PL DPD N°1 A (125 tests) |
| PL30DPD1B | Bromine | 63 | 0 – 18.00 mg/l | Liquid PL DPD N°1 B (125 tests) |
| PLpow20DPDNitr | Bromine | 63 | 0 – 18.00 mg/l | Powder PL DPD Nitrite Powder (285 tests) |
| PPPD150 | Bromine | 128 | 0 – 4.5 mg/l | Powder P. DPD N°1 |
| PL65OxyScav1 | Carbohydrazide | 71 | 0 – 1.3 mg/l | Liquid PL Oxy. Scav. N°1 (270 tests) |
| PL65OxyScav2 | Carbohydrazide | 71 | 0 – 1.3 mg/l | Liquid PL Oxy. Scav. N°2 (65 tests) |
| TbsPDI | Chloramines | 95 | 0 – 8 mg/l | Tablets DPD N°1 Photometer |



PRIMELAB 2.0

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| Item-Code | Parameter | ID | Range | Reagent (No. Of Tests) | |
|-------------------------|-----------------------------|-----|---------------|------------------------|------------------------------------|
| TbsPD2 | Chloramines | 95 | 0 – 8 mg/l | Tablets | DPD N°2 Photometer |
| TbsPD3 | Chloramines | 95 | 0 – 8 mg/l | Tablets | DPD N°3 Photometer |
| TbsHCRD1 | Chloride | 10 | 0.5 – 25 mg/l | Tablets | Chloride N°1 |
| TbsPCRD2 | Chloride | 10 | 0.5 – 25 mg/l | Tablets | Chloride N°2 |
| PL65Chloride1 | Chloride | 124 | 0 – 100 mg/l | Liquid | PL Chloride N°1 (108 tests) |
| PL65Chloride2 | Chloride | 124 | 0 – 100 mg/l | Liquid | PL Chloride N°2 (108 tests) |
| PL30CLMEOH | Chloride in Methanol | 167 | 0 – 20 mg/l | Liquid | PL30CLMEOH (75 tests) |
| TbsPD1 | Chlorine | 11 | 0 – 8.00 mg/l | Tablets | DPD N° 1 |
| TbsPD3 | Chlorine | 11 | 0 – 8.00 mg/l | Tablets | DPD N° 3 |
| PL30DPD1A | Chlorine | 12 | 0 – 8.00 mg/l | Liquid | PL DPD 1 A (250 tests) |
| PL30DPD1B | Chlorine | 12 | 0 – 8.00 mg/l | Liquid | PL DPD 1 B (250 tests) |
| PL30DPD3C | Chlorine | 12 | 0 – 8.00 mg/l | Liquid | PL DPD 3 C (250 tests) |
| PPPCIHR | Chlorine (KI) (HR) | 14 | 5 – 200 mg/l | Powder P. | Chlorine HR (KI) |
| PPHAFG | Chlorine (KI) (HR) | 14 | 5 – 200 mg/l | Powder P. | Acidifying GP |
| PL65CIHR1 | Chlorine (KI) (HR) | 15 | 0 – 200 mg/l | Liquid | PL Chlorine HR N°1 (541 tests) |
| PL30CIHR2/ PL65CIHR2 | Chlorine (KI) (HR) | 15 | 0 – 200 mg/l | Liquid | PL Chlorine HR N°2 (250/541 tests) |
| PPPD150 | Chlorine (free/comb./total) | 129 | 0 – 8.00 mg/l | Powder | DPD N° 1 |
| TbsPD1MR | Chlorine (MR) | 122 | 0 – 10 mg/l | Tablets | DPD N°1 MR |
| TbsPD3MR | Chlorine (MR) | 122 | 0 – 10 mg/l | Tablets | DPD N° 3 MR |
| TbsPD1 | Chlorine Dioxide | 16 | 0 – 15.0 mg/l | Tablets | DPD N°1 |
| TbsHGC | Chlorine Dioxide | 16 | 0 – 15.0 mg/l | Tablets | Glycine |
| PL30DPD1A | Chlorine Dioxide | 64 | 0 – 15.0 mg/l | Liquid | PL DPD N°1 A (250 tests) |
| PL30DPD1B | Chlorine Dioxide | 64 | 0 – 15.0 mg/l | Liquid | PL DPD N°1 B (250 tests) |



PRIMELAB 2.0

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| Item-Code | Parameter | ID | Range | Reagent (No. Of Tests) | |
|-------------------------|---------------------|-----|------------------|--|---|
| PL30DPDGlycine | Chlorine Dioxide | 64 | 0 – 15.0 mg/l | Liquid | PL DPD Glycine (250 tests) |
| PPPD1 | Chlorine Dioxide | 130 | 0 – 5 mg/l | Powder P. | DPD N°1 |
| TbsHGC50 | Chlorine Dioxide | 130 | 0 – 5 mg/l | Tablets | Glycine |
| PL30DPD1A | Chlorite | 106 | 0 – 8 mg/l | Liquid | PL DPD N°1 A (125 tests) |
| PL30DPD1B | Chlorite | 106 | 0 – 8 mg/l | Liquid | PL DPD N°1 B (125 tests) |
| PL30DPD3C | Chlorite | 106 | 0 – 8 mg/l | Liquid | PL DPD N°3 C (250 tests) |
| PL30DPDGlycine | Chlorite | 106 | 0 – 8 mg/l | Liquid | PL DPD Glycine (250 tests) |
| PL30DPDAcidif | Chlorite | 106 | 0 – 8 mg/l | Liquid | PL DPD Acidifying (250 tests) |
| PL30DPDNeutr | Chlorite | 106 | 0 – 8 mg/l | Liquid | PL DPD Neutralising (250 tests) |
| TbsHChro1 | Chromium | 94 | 0 – 2.2 mg/l | Tablets | Chromium N°1 |
| PPPChro2 | Chromium | 94 | 0 – 2.2 mg/l | Powder P. | Chromium N°2 |
| PLpow10Chromate1 | Chromium | 103 | 0 – 1 mg/l | Powder | PL Chromate N°1 (142 tests) |
| PL30-/ PL65Chromate2 | Chromium | 103 | 0 – 1 mg/l | Liquid | PL Chromate N°2 (50/108 tests) |
| COD-79-LR | COD (LR) | 79 | 0 – 150 mg/l | 25 Prepared vials | |
| COD-80-MR | COD (MR) | 80 | 0 – 1500 mg/l | 25 Prepared vials | |
| COD-17-HR | COD (HR) | 17 | 0 – 15000 mg/l | 25 Prepared vials | |
| -- | Colour (Hazen/APHA) | 107 | 15 – 500 mg/l | -- | |
| TbsHCu1 | Copper | 18 | 0 – 5 mg/l | Tablets | Copper N°1 |
| TbsPCu2 | Copper | 18 | 0 – 5 mg/l | Tablets | Copper N°2 |
| PLpow20Cu1 | Copper | 19 | 0 – 5 mg/l | Powder | PL Copper N°1 |
| WIDmar-Copper50 | Copper-in-Oil | 187 | 0 – 50 mg/l | Reagents and accessories kit to perform 50 tests | |
| PL158-kit | Cyanide | 158 | 0.01 – 0.50 mg/l | Powder Powder Liquid | PL Cyanide-11 PL Cyanide-12 PL Cyanide-13 |



PRIMELAB 2.0

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| Item-Code | Parameter | ID | Range | Reagent (No. Of Tests) | |
|--------------|-------------------------|-----|-----------------|------------------------|----------------------------------|
| TbsPCAT | Cyanuric Acid | 20 | 2 – 160 mg/l | Tablets | CYA-Test |
| PL30DPD1A | DBNPA | 65 | 0 – 13 mg/l | Liquid | PL DPD N°1 A (250 tests) |
| PL30DPD1B | DBNPA | 65 | 0 – 13 mg/l | Liquid | PL DPD N°1 B (250 tests) |
| PL30DPD3C | DBNPA | 65 | 0 – 13 mg/l | Liquid | PL DPD N°3 C (250 tests) |
| TbsPD1 | DBNPA | 82 | 0 – 13 mg/l | Tablets | DPD N°1 |
| TbsPD3 | DBNPA | 82 | 0 – 13 mg/l | Tablets | DPD N°3 |
| PL65OxyScav1 | DEHA | 21 | 20 – 1000 µg/l | Liquid | PL Oxyg. Scav. N°1 (270 tests) |
| PL65OxyScav2 | DEHA | 21 | 20 – 1000 µg/l | Liquid | PL Oxyg. Scav. N°2 (65 tests) |
| PL30DO1 | Dissolved Oxygen | 163 | 0.0 – 10.0 mg/l | Liquid | PL DissOx N°1 |
| PL30DO2 | Dissolved Oxygen | 163 | 0.0 – 10.0 mg/l | Liquid | PL DissOx N°2 |
| PL30DO3 | Dissolved Oxygen | 163 | 0.0 – 10.0 mg/l | Liquid | PL DissOx N°3 |
| PL65OxyScav1 | Erythorbic Acid | 70 | 0 – 3.5 mg/l | Liquid | PL Oxyg. Scav. N°1 (270 tests) |
| PL65OxyScav2 | Erythorbic Acid | 70 | 0 – 3.5 mg/l | Liquid | PL Oxyg. Scav. N°2 (65 tests) |
| PL100SPADNSF | Fluoride | 180 | 0 – 2 mg/l | Liquid | PL SPADNS Fluoride (50 tests) |
| TbsHCH1 | Hardness - Calcium | 78 | 0 – 500 mg/l | Tablets | Calcium-H. N° 1 |
| TbsPCH2 | Hardness - Calcium | 78 | 0 – 500 mg/l | Tablets | Calcium-H. N° 2 |
| TbsPCH | Hardness - Calcium (HR) | 09 | 50 – 1000 mg/l | Tablets | Calcium Hardness |
| PL20CH1 | Hardness-Calcium | 166 | 0 – 500 mg/l | Liquid | PL Calcium Hardness 1 (50 tests) |
| PL20CH2 | Hardness -Calcium | 166 | 0 – 500 mg/l | Liquid | PL Calcium Hardness 2(50 tests) |
| TbsPTH | Hardness - Total (LR) | 56 | 2 – 50 mg/l | Tablets | Total Hardness |



PRIMELAB 2.0

5/12

| Item-Code | Parameter | ID | Range | Reagent (No. Of Tests) | |
|----------------|-----------------------|-----|---------------|------------------------|---|
| TbsPTH | Hardness - Total (HR) | 57 | 20 – 500 mg/l | Tablets | Total Hardness |
| PL20TH1 | Hardness - Total (HR) | 148 | 0 – 500 mg/l | Liquid | PL Total Hardness N°1 (50 tests) |
| PL10TH2 | Hardness - Total (HR) | 148 | 0 – 500 mg/l | Liquid | PL Total Hardness N°2 (50 tests) |
| PL65Hydraz1 | Hydrazine | 23 | 5 – 600 µg/l | Liquid | PL Hydrazine N°1 (162 tests) |
| PL30HydLRP1 | Hydrogen Peroxide LR | 66 | 0 – 3.8 mg/l | Liquid | PL Hyd. Perox. LR N°1 (250 tests) |
| PL30HydLRP2 | Hydrogen Peroxide LR | 66 | 0 – 3.8 mg/l | Liquid | PL Hyd. Perox. LR N°2 (250 tests) |
| TbsPHP | Hydrogen Peroxide LR | 24 | 0 – 3.8 mg/l | Tablets | Hyd. Peroxide LR |
| PL65HydHRP1 | Hydrogen Peroxide HR | 25 | 0 – 200 mg/l | Liquid | PL Hyd. Perox. HR N°1 (541 tests) |
| PL65HydHRP2 | Hydrogen Peroxide HR | 25 | 0 – 200 mg/l | Liquid | PL Hyd. Perox. HR N°2 (541 tests) |
| TbsHAFPP | Hydrogen Peroxide HR | 162 | 0 – 200 mg/l | Tablet | Acidifying PT Photometer |
| PPPHPHR | Hydrogen Peroxide HR | 162 | 0 – 200 mg/l | Powder Pillow | Hyd. Peroxide HR Photometer |
| PL-DX DEWAN-50 | DEWAN-50 | 109 | 0 – 300 mg/l | Liquid | Available via DINAX: www.dinax.hu |
| PL65OxyScav1 | Hydroquinone | 26 | 0 – 2.5 mg/l | Liquid | PL Oxy. Scav. N°1 (270 tests) |
| PL65OxyScav2 | Hydroquinone | 26 | 0 – 2.5 mg/l | Liquid | PL Oxy. Scav. N°2 (65 tests) |
| TbsPD1 | Iodine | 27 | 0 – 28 mg/l | Tablets | DPD N°1 |
| PL30DPD1A | Iodine | 67 | 0 – 28 mg/l | Liquid | PL DPD N°1 A (250 tests) |
| PL30DPD1B | Iodine | 67 | 0 – 28 mg/l | Liquid | PL DPD N°1 B (250 tests) |
| TbsPILR | Iron (LR) | 28 | 0 – 1 mg/l | Tablets | Iron (LR) |



PRIMELAB 2.0

6/12

| Item-Code | Parameter | ID | Range | Reagent (No. Of Tests) |
|----------------|----------------------------|-----|-----------------------|---|
| PLpow20IronMR1 | Iron (MR) | 29 | 0 – 10 mg/l | Powder PL Iron MR N°1 (285 tests) |
| PLpow20IronMR2 | Iron (MR) Fe ²⁺ | 127 | 0 – 10 mg/l | Powder PL Iron MR N°2 (400 tests) |
| PL65IronHR1 | Iron (HR) | 30 | 0 – 30 mg/l | Liquid PL Iron HR N°1 (162/108 tests) |
| PL30IronHR2 | Iron (HR) | 30 | 0 – 30 mg/l | Liquid PL Iron HR N°2 (375 tests) |
| ppFerVer1 | Iron total (LR) | 132 | 0 – 3 mg/l | Powder P. FerroVer® Iron PP (Hach) (100 tests) |
| WIDmar-Iron50 | Iron-in-Oil | 171 | 20 – 450 mg/l | Reagents and accessories kit to perform 50 tests |
| PL30Isoz1 | Isotiazolinone | 88 | 0 – 10 mg/l | Liquid PL Isothiazolinone N°1 (187 tests) |
| PL65Isoz2 | Isotiazolinone | 88 | 0 – 10 mg/l | Liquid PL Isothiazolinone N°2 (108 tests) |
| PL65Isoz3 | Isotiazolinone | 88 | 0 – 10 mg/l | Liquid PL Isothiazolinone N°3 (95 tests) |
| PL65Isoz4 | Isotiazolinone | 88 | 0 – 10 mg/l | Liquid PL Isothiazolinone N°4 (108 tests) |
| PL30Isoz5 | Isotiazolinone | 88 | 0 – 10 mg/l | Liquid PL Isothiazolinone N°5 (150 tests) |
| LGP-10 | Legionella | 147 | 60 – 1000000 cfu/test | Kit to perform max. 9 tests (1 control / batch): 1 x bottle (110ml) „L0 Diluent“ 10 x single-doses (each 1ml) „L1 Capture Reagent“ 1 x bottle (200ml) „L2 Washing buffer“ 10 x single-doses (each 1ml) „L3 Enzyme-labeled anti-Legionella“ 5 x tetra dose (each 5ml) „L4 Enzyme-co-substrates“ 1 x bottle (2ml) „L5 Stopping reagent“ 5 x disposable pipette 10 x 1ml CB cuvette 10 x 9ml MHCB cuvette |
| LGP-40 | Legionella | 147 | 60 – 1000000 cfu/test | Kit to perform max. 39 tests (1 control / batch): 1 x bottle (420ml) „L0 Diluent“ 1 x bottle (42ml) „L1 Capture Reagent“ 1 x bottle (750ml) „L2 Washing buffer“ 1 x bottle (42ml) „L3 Enzyme-labeled anti-Legionella“ 15 x tetra dose (each 5ml) „L4 Enzyme-co-substrates“... .1 x bottle (4.4ml) „L5 Stopping reagent“ 40 x 1ml CB cuvette 40 x 9ml MHCB cuvette |
| LGP-100 | Legionella | 147 | 60 – 1000000 cfu/test | Kit to perform max. 99 tests (1 control / batch): 1 x bottle (1050ml) „L0 Diluent“ → |



PRIMELAB 2.0

7/12

| Item-Code | Parameter | ID | Range | Reagent (No. Of Tests) |
|--------------|---------------------|-----|----------------|--|
| ← LGP-100 | | | | 1 x bottle (105ml) „L1 Capture Reagent“ 2 x bottles (each 940ml) „L2 Washing buffer“ 1 x bottle (105ml) „L3 Enzyme-labeled anti-Legionella“ 35 x tetra dose (each 5ml) „L4 Enzyme-co-substrates“ 1 x bottle (11ml) „L5 Stopping reagent“ 100 x 1ml CB cuvette 100 x 9ml MHCB cuvette |
| TbsPMag | Magnesium | 93 | 0 – 100 mg/l | Tablets Magnesium Photometer |
| PPHMGNSLR1 | Manganese | 31 | 0.2 – 5 mg/l | Powder P. Manganese LR N°1 |
| PPPMGNSLR2 | Manganese | 31 | 0.2 – 5 mg/l | Powder P. Manganese LR N° 2 |
| TbsHMagVLR1 | Manganese (VLR) | 161 | 0 – 0.030 mg/l | Tablets Manganese VLR N°1 + VLR N°2 |
| PL65OxyScav1 | Methylethylketoxime | 69 | 0 – 4.1 mg/l | Liquid PL Oxy. Scav. N°1 (270 tests) |
| PL65OxyScav2 | Methylethylketoxime | 69 | 0 – 4.1 mg/l | Liquid PL Oxy. Scav. N°2 (65 tests) |
| TbsHMDL1 | Molybdate (LR) | 96 | 0 – 15 mg/l | Tablets Molybdate LR N°1 |
| TbsPMDL2 | Molybdate (LR) | 96 | 0 – 15 mg/l | Tablets Molybdate LR N°2 |
| PL65Moly1 | Molybdate (HR) | 33 | 5 – 200 mg/l | Liquid PL Molybdate N°1 (162 tests) |
| PPPMolyver1 | Molybdate (HR) | 134 | 0 – 40 mg/l | 100 Powder-Pillows MolyVer1 in a PE-bag |
| PPPMolyver2 | Molybdate (HR) | 134 | 0 – 40 mg/l | 100 Powder-Pillows MolyVer2 in a PE-bag |
| PPPMolyver3 | Molybdate (HR) | 134 | 0 – 40 mg/l | 100 Powder-Pillows MolyVer3 in a PE-bag |
| TbsHMDH1 | Molybdate | 32 | 1 – 100 mg/l | Tablets Molybdate HR N°1 |
| TbsPMDH2 | Molybdate | 32 | 1 – 100 mg/l | Tablets Molybdate HR N°2 |
| TbsHNickHR1 | Nickel (HR) | 90 | 0 – 7 mg/l | Tablets Nickel HR N°1 |
| TbsPNickHR2 | Nickel (HR) | 90 | 0 – 7 mg/l | Tablets Nickel HR N°2 |
| PL65NickHR1 | Nickel (HR) | 100 | 0 – 10 mg/l | Liquid PL Nickel HR N°1 (100 tests) |
| PL30NickHR2 | Nickel (HR) | 100 | 0 – 10 mg/l | Liquid PL Nickel HR N°2 (150 tests) |
| PL60NickHR3 | Nickel (HR) | 100 | 0 – 10 mg/l | Liquid PL Nickel HR N°3 (150 tests) |



PRIMELAB 2.0

8/12

| Item-Code | Parameter | ID | Range | Reagent (No. Of Tests) |
|------------------------------|---------------------|-----|-------------------|---|
| PLpow20Nitra1 | Nitrate | 34 | 0.00 – 11.00 mg/l | Powder PL Nitrate N°1 (285 tests) |
| PL65Nitra2 | Nitrate | 34 | 0.00 – 11.00 mg/l | Liquid PL Nitrate N°2 (162 tests) |
| PL190-kit | Nitrate TubeTest | 190 | 1 – 30 mg/l | Kit 25 Nitrate TT N°1 vials (25 tests) 25 Nitrate TT N°2 powder-pillows (25 tests) Can with 50ml deionized water (50 tests) |
| PPHNitra1 | Nitrate HR | 169 | 1 – 100 mg/l | Powder P. Nitrate HR N° 1 |
| PPPNitra2 | Nitrate HR | 169 | 1 – 100 mg/l | Powder P. Nitrate HR N° 2 |
| PPPNiLR | Nitrite (LR) | 35 | 0 – 0.5 mg/l | Powder P. Nitrite LR |
| PLpow10-/ PLpow20NitriHR1 | Nitrite (HR) | 36 | 5 – 200 mg/l | Powder PL Nitrite HR N°1 (142/285 tests) |
| TbsHNIHR1 | Nitrite (HR) | 97 | 0 – 1500 mg/l | Tablets Nitrite HR N°1 |
| TbsPNIHR2 | Nitrite (HR) | 97 | 0 – 1500 mg/l | Tablets Nitrite HR N°2 |
| PL65NitriteHR2 | Nitrite (HR) | 101 | 0 – 3000 mg/l | Liquid PL Nitrite HR N°2 (108 tests) |
| PL151-kit | Nitrogen-Total (LR) | 151 | 0.5 – 25 mg/l | Kit 50 Hydrox. LR vials 50 Persulfate powder packs 50 Reagent A powder packs 50 Reagent B powder packs 50 Acid LR/HR vials 100ml DI-Water |
| PL152-kit | Nitrogen-Total (HR) | 152 | 5 – 150 mg/l | Kit 50 Hydrox. HR vials 50 Persulfate powder packs 50 Reagent A powder packs 50 Reagent B powder packs 50 Acid LR/HR vials 100ml DI-Water |
| TbsPD1 | Ozone | 37 | 0 – 5.4 mg/l | Tablets DPD N°1 |
| TbsPD3 | Ozone | 37 | 0 – 5.4 mg/l | Tablets DPD N°3 |
| TbsHGC | Ozone | 37 | 0 – 5.4 mg/l | Tablets Glycine |
| PL30DPD1A | Ozone | 92 | 0 – 5.4 mg/l | Liquid PL DPD N°1 A (125/250 tests) |
| PL30DPD1B | Ozone | 92 | 0 – 5.4 mg/l | Liquid PL DPD N°1 B (125/250 tests) |
| PL30DPD3C | Ozone | 92 | 0 – 5.4 mg/l | Liquid PL DPD N°3 C (250 tests) |
| PL30DPDGlycine | Ozone | 92 | 0 – 5.4 mg/l | Liquid PL DPD Glycine (250 tests) |



PRIMELAB 2.0

9/12

| Item-Code | Parameter | ID | Range | Reagent (No. Of Tests) |
|---------------------------|-------------------|-----|-------------------|--|
| TbsPD4 | Peracetic Acid LR | 164 | 0.00 – 10.00 mg/l | Tablets DPD N°4 |
| PPPCIHR | Peracetic Acid HR | 165 | 0 – 300 mg/l | Powder P. Chlorine HR (KI) |
| PPHAFG | Peracetic Acid HR | 165 | 0 – 300 mg/l | Powder P. Acidifying GP |
| PL10PTT | Permanganate | 159 | 0 – 100 %T | Liquid PTT (285 tests) |
| PTT-Metha | Permanganate | 159 | 0 – 100 %T | Sealed vial 10ml Reagent grade Methanol |
| TbsPBRCP | pH-value (LR) | 40 | 5.2 – 6.8 | Tablets Bromocresolpurple |
| TbsPpH | pH-value (MR) | 38 | 6.5 – 8.4 | Tablets Phenol Red |
| PL65PhenRed | pH-value (MR) | 39 | 6.4 – 8.4 | Liquid PL pH 6.4-8.4 (270 tests) |
| TbsPUPH | pH-Universal | 41 | 5 – 11 | Tablets Universal pH |
| PL65UnivpH | pH-Universal | 42 | 4 – 11 | Liquid PL pH 4-11 (162 tests) |
| TbsHPhen1 | Phenol | 98 | 0 – 5 mg/l | Tablets Phenol N°1 |
| TbsPPhen2 | Phenol | 98 | 0 – 5 mg/l | Tablets Phenol N°2 |
| TbsPPhen3 | Phenol | 98 | 0 – 5 mg/l | Tablets Phenol CR |
| TbsPPB | PHMB | 43 | 2 – 60 mg/l | Tablets PHMB |
| PPHPPLR1 | Phosphate (LR) | 44 | 0 – 4 mg/l | Powder P. Phosphate (LR) N°1 |
| TbsPPPLR2 | Phosphate (LR) | 44 | 0 – 4 mg/l | Tablets Phosphate (LR) N°2 |
| PL65PPLR1 | Phosphate (LR) | 45 | 0 – 4 mg/l | Liquid PL Phosphate LR N°1 (65 tests) |
| PLpow10-/ PLpow20PPLR2 | Phosphate (LR) | 45 | 0 – 4 mg/l | Powder PL Phosphate LR N°2 (142/285 tests) |
| PPHPHR1 | Phosphate (HR) | 46 | 0 – 80 mg/l | Powder P. Phosphate (HR) N°1 |
| TbsPPHR2 | Phosphate (HR) | 46 | 0 – 80 mg/l | Tablets Phosphate (HR) N°2 |
| PL65PPHR1 | Phosphate (HR) | 47 | 0 – 100 mg/l | Liquid PL Phosphate HR N°1 (65 tests) |
| PL65PPHR2 | Phosphate (HR) | 47 | 0 – 100 mg/l | Liquid PL Phosphate HR N°2 (65 tests) |
| PL65PPHON3 | Phosphonate | 87 | 0 – 20 mg/l | Liquid PL Phosphonate N°3 (81 tests) |



PRIMELAB 2.0

10/12

| Item-Code | Parameter | ID | Range | Reagent (No. Of Tests) | |
|---------------|-----------------------|-----|---------------|------------------------|--|
| PLpow20PPHON1 | Phosphonate | 87 | 0 – 20 mg/l | Powder | PL Phosphonate N°1 (285 tests) |
| PLpow20PPHON2 | Phosphonate | 87 | 0 – 20 mg/l | Powder | PL Phosphonate N°2 (285 tests) |
| PLpow20PPHON4 | Phosphonate | 87 | 0 – 20 mg/l | Powder | PL Phosphonate N°4 (285 tests) |
| TbsPOPA | Phosphonate | 110 | 0 – 20 mg/l | Tablets | OrgaPhos N°1 |
| TbsPOPB | Phosphonate | 110 | 0 – 20 mg/l | Tablets | OrgaPhos N°2 |
| TbsHOPAX | Phosphonate | 110 | 0 – 20 mg/l | Tablets | OrgaPhos N°3 |
| TbsHOXOP | Phosphonate | 110 | 0 – 20 mg/l | Tablets | OrgaPhos-OX |
| IPL153-kit | Phosphorus-Total (LR) | 153 | 0 – 2.6 mg/l | Kit | 50 Phosphorus LR vial 30ml PL Phosphorus LR N°1 10g PL Phosphorus N°2 100 powder p. Phosphate LR N°1 50 tablets Phosphate LR N°2 |
| PL154-kit | Phosphorus-Total (HR) | 154 | 0 – 52 mg/l | Kit | 50 Phosphorus HR vial 30ml PL Phosphorus HR N°1 10g PL Phosphorus N°2 100 powder p. Phosphate HR N°1 50 tablets Phosphate HR N°2 |
| PL65PLYA1 | Polyacrylate | 85 | 1 – 30 mg/l | Liquid | PL Polyacrylate N°1 (65 tests) |
| PL65PLYA2 | Polyacrylate | 85 | 1 – 30 mg/l | Liquid | PL Polyacrylate N°2 (65 tests) |
| TbsPPTST | Potassium | 48 | 0.7 – 12 mg/l | Tablets | Potassium |
| PPHAFG | QAC | 83 | 25 – 150 mg/l | Powder P. | Acidifying GP |
| TbsPQAC | QAC | 83 | 25 – 150 mg/l | Tablets | QAC HR |
| PL65HydHRP1 | Sanosil | 173 | 0 – 400 mg/l | Powder | PL Hydrogen Peroxide HR N°1 |
| PL65HydHRP2 | Sanosil | 173 | 0 – 400 mg/l | Powder | PL Hydrogen Peroxide HR N°2 |
| PL25SiLR1 | Silica (LR) | 49 | 0 – 5 mg/l | Liquid | PL Silica LR N°1 (50 tests) |
| PL25SiLR2 | Silica (LR) | 49 | 0 – 5 mg/l | Liquid | PL Silica LR N°2 (50 tests) |
| PPPSiLR350 | Silica (LR) | 49 | 0 – 5 mg/l | Powder | PL Silica LR N°3 (50 tests) |



PRIMELAB 2.0

11/12

| Item-Code | Parameter | ID | Range | Reagent (No. Of Tests) | |
|---------------------------|-------------------|-----|-----------------|--|------------------------------------|
| PLpow10-/ PLpow20SiHR1 | Silica (HR) | 50 | 0 – 100 mg/l | Powder | PL Silica HR N°1 (71/142 tests) |
| PLpow60SiHR2 | Silica (HR) | 50 | 0 – 100 mg/l | Powder | PL Silica HR N°2 (241 tests) |
| PLpow10SiHR3 | Silica (HR) | 50 | 0 – 100 mg/l | Powder | PL Silica HR N°3 (142 tests) |
| WIDmar-SIL50 | Silica-in-Oil | 186 | 0 – 100 mg/l | Reagents and accessories kit to perform 50 tests | |
| PPPCIHR | Sodium Hypochlor. | 51 | 0.2 – 40 % | Powder P. | Chlorine HR (Ki) |
| PPHAFG | Sodium Hypochlor. | 51 | 0.2 – 40 % | Powder P. | Acidifying GP |
| PL65CIHR1 | Sodium Hypochlor. | 68 | 0.2 – 40 % | Liquid | PL Chlorine HR N°1 (541 tests) |
| PL30CIHR2/ PL65CIHR2 | Sodium Hypochlor. | 68 | 0.2 – 40 % | Liquid | PL Chlorine HR N°2 (250/541 tests) |
| PPPSULP | Sulphate | 54 | 5 – 100 mg/l | Powder P. | Sulphate |
| PLpow10SULPHA1 | Sulphate | 55 | 5 – 100 mg/l | Powder | PL Sulphate N°1 (142 tests) |
| TbsHSULFD1 | Sulphide | 52 | 0.04 – 0.5 mg/l | Tablets | Sulphide N°1 |
| TbsPSULFD2 | Sulphide | 52 | 0.04 – 0.5 mg/l | Tablets | Sulphide N°2 |
| HaSulfide1 | Sulphide | 140 | 0 – 0.7 mg/l | Liquid | Sulfide 1 (Hach) (1000 tests) |
| HaSulfide2 | Sulphide | 140 | 0 – 0.7 mg/l | Liquid | Sulfide 2 (Hach) (1000 tests) |
| TbsPSULFTLR | Sulphite (LR) | 53 | 0 – 10 mg/l | Tablets | Sulphite LR |
| TbsHSULFHR1 | Sulphite (HR) | 105 | 0 – 300 mg/l | Tablets | Sulphite N°1 |
| TbsPSULFHR2 | Sulphite (HR) | 105 | 0 – 300 mg/l | Tablets | Sulphite N°2 |
| PL65OxyScav1 | Sulphite (HR) | 174 | 0 – 200 mg/l | Powder | PL Oxygen Scavenger 1 |
| PL65OxyScav2 | Sulphite (HR) | 174 | 0 – 200 mg/l | Powder | PL Oxygen Scavenger 2 |
| PL65Tannin1 | Tannic acid | 91 | 0 – 150 mg/l | Liquid | PL Tannin N°1 (65 tests) |
| PL30Tannin2 | Tannic acid | 91 | 0 – 150 mg/l | Liquid | PL Tannin N°2 (125 tests) |



PRIMELAB 2.0

12/12

| Item-Code | Parameter | ID | Range | Reagent (No. Of Tests) | |
|-------------------------|------------------------|-----|----------------|------------------------|---------------------------------|
| PL30DPD1A/ PL65DPD1A | Total Oxidant | 108 | 0 – 4 mg/l | Liquid | PL DPD N°1 A (250/541 tests) |
| PL30DPD1B/ PL65DPD1B | Total Oxidant | 108 | 0 – 4 mg/l | Liquid | PL DPD N°1 B (250/541 tests) |
| PL30DPD3C/ PL65DPD3C | Total Oxidant | 108 | 0 – 4 mg/l | Liquid | PL DPD N°3 C (250/541 tests) |
| PL30DPDAcidif | Total Oxidant | 108 | 0 – 4 mg/l | Liquid | PL DPD Acidifying (250 tests) |
| PL30DPDNeutr | Total Oxidant | 108 | 0 – 4 mg/l | Liquid | PL DPD Neutralising (250 tests) |
| PL30DPD1A/ PL65DPD1A | Total Residual Oxidant | 191 | 0 – 4 mg/l | Liquid | PL DPD N°1 A (250/541 tests) |
| PL30DPD1B/ PL65DPD1B | Total Residual Oxidant | 191 | 0 – 4 mg/l | Liquid | PL DPD N°1 B (250/541 tests) |
| PL30DPD3C/ PL65DPD3C | Total Residual Oxidant | 191 | 0 – 4 mg/l | Liquid | PL DPD N°3 C (250/541 tests) |
| PL30DPDAcidif | Total Residual Oxidant | 191 | 0 – 4 mg/l | Liquid | PL DPD Acidifying (250 tests) |
| PL30DPDNeutr | Total Residual Oxidant | 191 | 0 – 4 mg/l | Liquid | PL DPD Neutralising (250 tests) |
| PPHAM1 | Urea | 120 | 0.1 – 2.5 mg/l | Powder P. | Ammonia N°1 |
| PPPAM2 | Urea | 120 | 0.1 – 2.5 mg/l | Powder P. | Ammonia N°2 |
| PL30Urea1 | Urea | 120 | 0.1 – 2.5 mg/l | Liquid | PL Urea N°1 (375 tests) |
| PL10Urea2 | Urea | 120 | 0.1 – 2.5 mg/l | Liquid | PL Urea N°2 (250 tests) |
| PPHAM1 | Urea HR | 150 | 0.2 – 5 mg/l | Powder P. | Ammonia N°1 |
| PPPAM2 | Urea HR | 150 | 0.2 – 5 mg/l | Powder P. | Ammonia N°2 |
| PL30Urea1 | Urea HR | 150 | 0.2 – 5 mg/l | Liquid | PL Urea N°1 (375 tests) |
| PL10Urea2 | Urea HR | 150 | 0.2 – 5 mg/l | Liquid | PL Urea N°2 (250 tests) |
| TbsPCZ | Zinc | 62 | 0 – 1 mg/l | Tablets | Copper/Zinc LR |
| TbsHED | Zinc | 62 | 0 – 1 mg/l | Tablets | EDTA |
| TbsHDC | Zinc | 62 | 0 – 1 mg/l | Tablets | DECHLOR |

EASYSHAKER



| Item-Code | Type | Category | Measurement Range |
|------------------------|---|------------|--------------------|
| WIDmar-Aluvis | -- | Comparator | -- |
| WIDmar-Bnreag | BN reagent | EasyShaker | 5-150 BN [mgKOH/g] |
| WIDmar-EasyService-kit | -- | EasyShaker | -- |
| WIDmar-Wioreag-set | WiO Reagent jelly paste/ Wio Solvent | EasyShaker | 0,03-10,0 V% |
| WIDmar-testcleaner | Test kit Cleaner | EasyShaker | -- |
| WIDmar-saltdeterm | Saltesmo | Liquids | Yes/no |



COMPARATOR

1/3

| Item-Code | Type | Category | Measurement Range |
|---------------|-----------------------|-------------|--|
| PPHAFG | Acidifying GP | Comparator | Auxiliary reagent (to measure Chlorine HR / QAC HR / Sod. Hypchl.) |
| TbsHAFPP | Acidifying PT | Comparator | AUX. tablet (to measure Hyd. Perox. HR) |
| TbsPTA | Alkalinity-M | Photometer | Alkalinity (0 – 200 mg/l) |
| TbsHALM1 | Aluminium N° 1 | Comparator | Aluminium (0.00 – 0.30 mg/l) |
| TbsPALM2 | Aluminium N° 2 | Comparator | Aluminium (0.00 – 0.30 mg/l) |
| PPHAM1 | Ammonia N° 1 | Pow. Pillow | Ammonia (0.00 – 1.00 mg/l) |
| PPPAM2 | Ammonia N° 2 | Pow. Pillow | Ammonia (0.00 – 1.00 mg/l) |
| TbsHCH1 | Calcium Hardness N°1 | Photometer | Calcium Hardness (0 – 500 mg/l) |
| TbsPCH2 | Calcium Hardness N°2 | Photometer | Calcium Hardness (0 – 500 mg/l) |
| TbsHCRD1 | Chloride N° 1 | Comparator | Chloride (0 – 40 mg/l) |
| TbsPCRD2 | Chloride N° 2 | Comparator | Chloride (0 – 40 mg/l) |
| PPPCIHR | Chlorine HR KI | Pow. Pillow | Chlorine VHR (10 – 300 mg/l) |
| TbsHCu1 | Copper N° 1 | Comparator | Copper (0.0 – 5.0 mg/l) |
| TbsPCu2 | Copper N° 2 | Comparator | Copper (0.0 – 5.0 mg/l) |
| TbsPCZLR | Copper Zinc LR | Comparator | Copper / Zinc LR (0.00 – 1.00 mg/l) |
| TbsPCZHR | Copper Zinc HR | Comparator | Copper / Zinc HR (0.0 – 5.0 mg/l) |
| TbsPCAT | CYA-Test | Comparator | Cyanuric Acid (10 – 80 mg/l) |
| TbsHDC | Dechlor | -- | Auxil. Tablet (ruling out Chlorine, e.g. when measuring Bromine, Chl. Dioxide, Copper / Zinc) |
| LR30Dehatest | DEHA Test Solution | Liquids | DEHA (0.0 – 0.5 mg/l) (125 tests) |
| LR65Dehaindic | DEHA Indicator | Liquids | DEHA (0.0 – 0.5 mg/l) (65 tests) |
| TbsPD1 | DPD N° 1 | Comparator | Bromine / Chlorine (0.0 – 10.0 // 5.0 / 1.0 mg/l) Ozone (0.0 – 3.4 mg/l) Chlorine Dioxide LR/HR (0.0 – 1.9 / 6.6 mg/l) |
| TbsPDIHC | DPD N° 1 High Calcium | Comparator | Bromine / Chlorine (0.0 – 10.0 // 5.0 / 1.0 mg/l) Ozone (0.0 – 3.4 mg/l) Chlorine Dioxide LR/HR (0.0 – 1.9 / 6.6 mg/l) |
| TbsHED | EDTA | -- | Auxil. Tablet (to Measure Copper/Zinc) |



COMPARATOR

2/3

| Item-Code | Type | Category | Measurement Range |
|--------------|--------------------|----------------|---|
| TbsPD3 | DPD N° 3 | Comparator | Chlorine HR/LR (0.0 – 5.0 / 1.0 mg/l) Ozone (0.0 – 3.4 mg/l) |
| TbsPD4 | DPD N° 4 | Comparator | Active Oxygen (MPS) (0 – 20 mg/l) |
| PL100SPADNSF | SPADNS Fluoride | Liquids | 0.00 – 2.00 mg/l (ppm) (50 tests) |
| TbsHGC | Glycine | Comparator | Chlorine Dioxide (0.00 – 6.65 / 1.90 mg/l) Ozone (0.0 – 3.4 mg/l) |
| TbsRHP | Hyd. Peroxide | Comparator | Hyd. Peroxid HR (5 – 50 mg/l) |
| TbsPILR | Iron LR | Comparator | Iron LR (0.05 – 1.00 mg/l) |
| TbsPIHR | Iron HR | Comparator | Iron HR (1.0 – 10.0 mg/l) |
| TbsPmag | Magnesium | Comparator | Magnesium (0 – 100 mg/l) |
| PPHMGNSLR1 | Manganese LR N° 1 | Comparator | Manganese (0.0 – 5.0 mg/l) PP* |
| PPPMGNSLR2 | Manganese LR N° 2 | Comparator | Manganese (0.0 – 5.0 mg/l) PP* <small>*PP = powder pillows. Packed in a PE-bag.</small> |
| TbsHMDH1 | Molybdate HR N° 1 | Comparator | Molybdate HR (0 – 100 mg/l) <small>*PP = powder pillows. Packed in a PE-bag.</small> |
| TbsPMDH2 | Molybdate HR N° 2 | Comparator | Molybdate HR (0 – 100 mg/l) |
| PPHNitral | Nitrate HR N° 1 | Comparator | Nitrate HR (1 – 100 mg/l) |
| PPPNitra2 | Nitrate HR N° 2 | Comparator | Nitrate HR (1 – 100 mg/l) |
| PPPNiLR | Nitrite LR | Powder Pillows | Nitrite LR (0.00 – 0.50 mg/l) |
| PL30OxyScav1 | Oxygen Scavenger 1 | Liquid | Carbohydrazide (0.0 – 0.65 mg/l) |
| PL65OxyScav2 | Oxygen Scavenger 2 | Liquid | Carbohydrazide (0.0 – 0.65 mg/l) |
| TbsPpH | Phenol Red | Comparator | pH (6.5 – 8.4 pH) |
| TbsRPB50 | PHMB | RAPID | PHMB (10 – 100 mg/l) |
| PPHPPLR1 | Phosphate LR N° 1 | Powder Pillows | Phosphate LR (0.00 – 4.00 mg/l) |
| TbsPPPLR2 | Phosphate LR N° 2 | Comparator | Phosphate LR (0.00 – 4.00 mg/l) |
| PPCPP | Phosphate HR | Comparator | Phosphate HR (0 – 80 mg/l) |



COMPARATOR

3/3

| Item-Code | Type | Category | Measurement Range |
|--------------|-------------------|---------------|---|
| TbsPPTST | Potassium | Comparator | Potassium (0.8 – 12.0 mg/l) |
| TbsPQAC | QAC HR | Comparator | QAC (HR) (0 – 200 mg/l) |
| PLpow20SiHR1 | Silica HR 1 (20g) | Powder | Silica Dioxide HR (0 – 100 mg/l) (142 tests) |
| PLpow60SiHR2 | Silica HR 2 (60g) | Powder | Silica Dioxide HR (0 – 100 mg/l) (241 tests) |
| PLpow10SiHR3 | Silica HR 3 (10g) | Powder | Silica Dioxide HR (0 – 100 mg/l) (142 tests) |
| PL25SiLR1 | Silica N° 1 | Liquid | Silica Dioxide LR (0.00 – 5.00 mg/l) (50 tests) |
| PL25SiLR2 | Silica N° 2 | Liquid | Silica Dioxide LR (0.00 – 5.00 mg/l)(50 tests) |
| PPSi3 | Silica N° 3 | Powder Pillow | Silica Dioxide LR (0.00 – 5.00 mg/l) |
| TbsHSULFD1 | Sulphide N° 1 | Comparator | Sulphide (0.04 – 0.50 mg/l) |
| TbsPSULFD2 | Sulphide N° 2 | Comparator | Sulphide (0.04 – 0.50 mg/l) |
| TbsPTH | Total Hardness | Comparator | Total Hardness (0 – 500 mg/l) |
| TbsPUPH | Universal pH | Comparator | pH (4 – 10 pH) |

FLEXI TESTER®

1/3



| Item-Code | Type | Category | Measurement Range |
|---------------|-----------------------|-------------|--|
| PPHAFG | Acidifying GP | Comparator | Auxiliary reagent (to measure Chlorine HR / QAC HR / Sod. Hypchl.) |
| TbsHAFPR | Acidifying PT | RAPID | Aux. tablet (to measure Hyd. Perox. HR) |
| TbsRAT | Alkatest | RAPID | Alkalinity (0 - 250 mg/l) |
| TbsHALM1 | Aluminium N° 1 | Photometer | Aluminium (0.00 - 0.30 mg/l) |
| TbsPALM2 | Aluminium N° 2 | Photometer | Aluminium (0.00 - 0.30 mg/l) |
| PPHAM1 | Ammonia N° 1 | Pow. Pillow | Ammonia (0.00 – 1.00 mg/l) |
| PPPAM2 | Ammonia N° 2 | Pow. Pillow | Ammonia (0.00 – 1.00 mg/l) |
| TbsHCH1 | Calcium Hardness N°1 | Photometer | Calcium Hardness (0 – 500 mg/l) |
| TbsPCH2 | Calcium Hardness N°2 | Photometer | Calcium Hardness (0 – 500 mg/l) |
| TbsHCRD1 | Chloride N° 1 | Photometer | Chloride (0 – 40 mg/l) |
| TbsPCRD2 | Chloride N° 2 | Photometer | Chloride (0 – 40 mg/l) |
| TbsPCIHR | Chlorine HR KI | Powder P. | Chlorine VHR (10 – 300 mg/l) |
| TbsHCu1 | Copper N° 1 | Photometer | Copper (0.0 – 5.0 mg/l) |
| TbsPCu2 | Copper N° 2 | Photometer | Copper (0.0 – 5.0 mg/l) |
| TbsPCZLR | Copper Zinc LR | Photometer | Copper / Zinc LR (0.00 – 1.00 mg/l) |
| TbsPCZHR | Copper Zinc HR | Photometer | Copper / Zinc HR (0.0 – 5.0 mg/l) |
| TbsPCAT | CYA-Test | Photometer | Cyanuric Acid (20 – 80 mg/l) |
| TbsHDC | Dechlor | -- | Auxil. Tablet (ruling out Chlorine, e.g. when measuring Bromine, Chl. Dioxide, Copper / Zinc) |
| LR30Dehatest | DEHA Test Solution | Liquids | DEHA (0.0 – 0.5 mg/l) |
| LR65Dehaindic | DEHA Indicator | Liquids | DEHA (0.0 – 0.5 mg/l) |
| TbsPD1 | DPD N° 1 | Photometer | Bromine / Chlorine (0.0 – 10.0 // 5.0 / 1.0 mg/l) Ozone (0.0 – 3.4 mg/l) Chlorine Dioxide LR/HR (0.0 – 1.9 / 6.6 mg/l) |
| TbsPDIHC | DPD N° 1 High Calcium | Photometer | Bromine / Chlorine (0.0 – 10.0 // 5.0 / 1.0 mg/l) Ozone (0.0 – 3.4 mg/l) Chlorine Dioxide LR/HR (0.0 – 1.9 / 6.6 mg/l) |
| TbsHED | EDTA | -- | Auxil. Tablet (to Measure Copper / Zinc) |



FLEXI TESTER®

2/3

| Item-Code | Type | Category | Measurement Range |
|--------------|--------------------|----------------|---|
| TbsPD3 | DPD N° 3 | Photometer | Chlorine HR/LR (0.0 – 5.0 / 1.0 mg/l) Ozone (0.0 – 3.4 mg/l) |
| TbsPD4 | DPD N° 4 | Photometer | Active Oxygen (MPS) (0 – 20 mg/l) |
| PL100SPADNSF | SPADNS Fluoride | Liquids | 0.00 – 2.00 mg/l (ppm) (50 tests) |
| TbsHGC | Glycine | Photometer | Chlorine Dioxide (0.00 – 6.65 / 1.90 mg/l) Ozone (0.0 – 3.4 mg/l) |
| TbsRHP | Hyd. Peroxide | RAPID | Hyd. Peroxid HR (5 – 50 mg/l) |
| TbsPILR | Iron LR | Photometer | Iron LR (0.05 – 1.00 mg/l) |
| TbsPIHR | Iron HR | Photometer | Iron HR (1.0 – 10.0 mg/l) |
| TbsPmag | Magnesium | Photometer | Magnesium (0 – 100 mg/l) |
| PPHMGNSLR1 | Manganese LR N° 1 | Photometer | Manganese (0.0 – 5.0 mg/l) PP* |
| PPPMGNSLR2 | Manganese LR N° 2 | Photometer | Manganese (0.0 – 5.0 mg/l) PP* <small>*PP = powder pillows. Packed in a PE-bag.</small> |
| TbsHMDH1 | Molybdate HR N° 1 | Photometer | Molybdate HR (0 – 100 mg/l) <small>*PP = powder pillows. Packed in a PE-bag.</small> |
| TbsPMDH2 | Molybdate HR N° 2 | Photometer | Molybdate HR (0 – 100 mg/l) |
| PPHNitra1 | Nitrate HR N° 1 | Photometer | Nitrate HR (1 – 100 mg/l) |
| PPPNitra2 | Nitrate HR N° 2 | Photometer | Nitrate HR (1 – 100 mg/l) |
| PPPNiLR | Nitrite LR | Powder Pillows | Nitrite LR (0.00 – 0.50 mg/l) |
| PL30OxyScav1 | Oxygen Scavenger 1 | Liquid | Carbohydrazide (0.0 – 0.65 mg/l) |
| PL65OxyScav2 | Oxygen Scavenger 2 | Liquid | Carbohydrazide (0.0 – 0.65 mg/l) |
| TbsPpH | Phenol Red | RAPID | pH (6.5 – 8.4 pH) |
| TbsRPB50 | PHMB | RAPID | PHMB (10 – 100 mg/l) |
| PPHPPLR1 | Phosphate LR N° 1 | Powder Pillows | Phosphate LR (0.00 – 4.00 mg/l) |
| TbsPPPLR2 | Phosphate LR N° 2 | Photometer | Phosphate LR (0.00 – 4.00 mg/l) |
| PPCPP | Phosphate HR | Comparator | Phosphate HR (0 - 80 mg/l) |



FLEXI TESTER®

3/3

| Item-Code | Type | Category | Measurement Range |
|--------------|-------------------|---------------|---|
| TbsPPTST | Potassium | Photometer | Potassium (0.8 – 12.0 mg/l) |
| TbsPQAC | QAC HR | Photometer | QAC (HR) (0 – 200 mg/l) |
| PLpow20SiHR1 | Silica HR 1 (20g) | Powder | Silica Dioxide HR (0 – 100 mg/l) (142 tests) |
| PLpow60SiHR2 | Silica HR 2 (60g) | Powder | Silica Dioxide HR (0 – 100 mg/l) (241 tests) |
| PLpow10SiHR3 | Silica HR 3 (10g) | Powder | Silica Dioxide HR (0 – 100 mg/l) (142 tests) |
| PL25SiLR1 | Silica N° 1 | Liquid | Silica Dioxide LR (0.00 – 5.00 mg/l) (50 tests) |
| PL25SiLR2 | Silica N° 2 | Liquid | Silica Dioxide LR (0.00 – 5.00 mg/l) (50 tests) |
| PPPSi3 | Silica N° 3 | Powder Pillow | Silica Dioxide LR (0.00 – 5.00 mg/l) |
| TbsHSULFD1 | Sulphide N° 1 | Photometer | Sulphide (0.04 – 0.50 mg/l) |
| TbsPSULFD2 | Sulphide N° 2 | Photometer | Sulphide (0.04 – 0.50 mg/l) |
| TbsPTH | Total Hardness | Photometer | Total Hardness (0 – 500 mg/l) |
| TbsPUPH | Universal pH | Photometer | pH (4 – 10 pH) |



MINI-KITS

1/2

Box size (...50 / ...100 / ...200 / ...250 / ...500)

| Item-Code | Type | Category | Measurement Range | SVZ/SVT/SVJ/SVS |
|--------------|--|--|--|--------------------|
| TbsRTA... | Total Alkalinity TC | RAPID tablet count | Total Alkalinity (Alk-M)/ Acid Capacity (10 – 500 mg/l CaCO ₃) | SVZ500 |
| TbsRAP... | Alkalinity P TC tablet count | RAPID (20 – 500 mg/l CaCO ₃) | Alkalinity-P | SVZ550 SVZ555 |
| PPHAPB... | Alk-P (BaCl ₂) TC Powder Pillows | RAPID tablet count | Auxiliary reagent to measure Alk-P | SVZ555 |
| TbsRCH... | Calcium Hardn. TC | RAPID tablet count | Calcium Hardness (10 – 500 mg/l CaCO ₃) | SVZ1300 |
| PPHCHSWC | Calcium H. (TC) Sea Water Cond. Pow. | Powder Pillow | Auxiliary reagent to measure CaH in sea water | SVZ1300 |
| TbsRTH... | Total Hardness TC | RAPID tablet count | Total Hardness (10 – 500 mg/l CaCO ₃) | SVZ1400 |
| TbsRTHLR... | Total Hardness LR TC | RAPID tablet count | Total Hardness (1 – 50 mg/l CaCO ₃) | SVZ1450 |
| TbsRTHJN... | Hardness yes/no | RAPID tablet count | Total Hardness (4/8/20 mg/l CaCO ₃) | SVJ1400 |
| TbsRCD... | Chloride TC | RAPID tablet count | Chloride (5 – 5000 mg/l Cl) | SVZ1600 |
| TbsPCAT... | CYA Test | Photometer | Cyanuric Acid (0 – 200 mg/l) | SVT1100 |
| TbsHNT1... | Nitrite No. 1 | RAPID tablet count | Auxiliary tablet to measure Nitrite tablet count | SVZ1700 |
| TbsRNT2... | Nitrite No. 2 | RAPID tablet count | Nitrite (70 – 1500 mg/l NaNO ₂) | SVZ1700 |
| TbsRSPIL2... | Sulphite No. 2(LR) | RAPID tablet count | Sulphite (2 – 50 mg/l Na ₂ SO ₃) | SVZ1800 |
| TbsRSPIH2... | Sulphite No. 2(HR) | RAPID tablet count | Sulphite (10 – 500 mg/l Na ₂ SO ₃) | SVZ1850 |
| TbsHSPI... | Sulphite No. 1 | RAPID tablet count | Auxiliary tablet to measure Sulphite | SVZ1800 SVZ1850 |
| TbsRCAS... | CAS | RAPID tablet count | Cleaning Acid Strength (0.75 – 10.00%) | |



MINI-KITS

2/2

Box size (...50 / ...100 / ...200 / ...250 / ...500)

| Item-Code | Type | Category | Measurement Range | SVZ/SVT/SVJ/SVS |
|---------------|--|---------------------|---|-----------------|
| PPHASE... | Acidifying SE | RAPID (POWD. PILL.) | Auxiliary reagent to measure Perm. Val. | SVS2800 |
| TbsRPerm... | Permanganate Value | RAPID tablet count | Perm. Value / BOD / COD / TOC *0 → 30 | SVS2800 |
| TbsRPerm... | Permanganate Value 65ml „P5 Phosphonate Titrant“ | RAPID tablet count | Perm. Value / BOD / COD / TOC | SVS2800 |
| SVR-TKP1-65 | 65ml "TKP1 - PBTC buffer" reagent for SVZ3700 | Liquid | Phosphonate (0 – 20 mg/l) | SVZ3700 |
| SVR-TKP5-65 | 65ml "TKP5 - PBTC Titrant reagent for SVZ3700 | Liquid | Phosphonate (0 – 20 mg/l) | SVZ3700 |
| SVR-TKP14L-65 | 65ml "TKP14L - PBTC Indicator" reagent for SVZ3700 | Liquid | Phosphonate (0 – 20 mg/l) | SVZ3700 |

*BOD Sewage 0 → 150 | BOD Effluent 0 → 45 | COD Sewage 0 → 300 | COD Effluent 0 → 210 | TOC Sewage 0 → 90 | TOC Effluent 0 → 6

BALANCED WATER KITS



Box size (...50 / ...100 / ...200 / ...250 / ...500)

| Item-Code | Type | Category | Measurement Range |
|-------------|-----------------------|--------------|---|
| TbsRCH... | Calcium Hardness TC | Tablet Count | Calcium Hardness (10 – 500 mg/l CaCO ₃) |
| TbsPCAT... | CYA-Test | Comparator | Cyanuric Acid (10 – 80 mg/l) |
| TbsPDI... | DPD N° 1 | Comparator | Chlorine / Bromine (0.0 – 5.0 / 10.0 mg/l) |
| TbsPDIHC... | DPD N° 1 High Calcium | Comparator | Chlorine / Bromine (0.0 – 5.0 / 10.0 mg/l) |
| TbsPD3... | DPD N° 3 | Comparator | Chlorine (0.0 - 5.00 mg/l) |
| TbsPph... | Phenol Red | Comparator | pH (6.5 – 8.4 pH) |
| TbsRTA... | Total Alkalinity TC | Tablet Count | Alkalinity M (10 – 500 mg/l CaCO ₃) |

PPE

(PERSONAL PROTECTIVE EQUIPMENT)

- GLOVES
- SAFETY GLASSES
- MASKS
- RELIABLE PROTECTION



- WATER
- OIL
- FUEL

In addition to our wide range of products, we also pay great attention to maintaining the health of our users.

Many things are quickly forgotten due to the time-critical activity on board. Even though Water-i.d.® products do not contain many hazardous chemicals, the appeal goes out to the user:

Protect yourself by using at least disposable gloves and safety goggles!



| Item-Code | Product Description PPE | Packsize |
|--------------------|---|----------|
| WIDmar-gloves100l | Nitrile gloves size L; color black or white [color depending on stock] | 100 |
| WIDmar-gloves100xl | Nitrile gloves size XL; color black or white [color depending on stock] | 100 |
| WIDmar-glasses1 | Safety glasses budget, plastic frame, Onesize | 1 |
| WIDmar-glasses2 | Safety glasses Premium. Adjustable temple length allows for a good individual fit. 5-position adjustable temple length. Wrap-around design for increased sense of safety. Unrestricted field of vision. Highest optical grade (I) for distortion-free vision. | 1 |
| WIDmar-safeeye | Eye wash bottle for eye emergencies; bottle contains sterile sodium chloride solution (0.9%). Equipped with an ergonomically shaped eye cup and dust cap. | 1 |
| WIDmar-ffp2mask | FFP2 masks, regulation compliant according to DIN EN 149 | 5 |

COOPERATIONS, SPECIAL PROJECTS AND SUPPORTERS



1 NO BOTTLE TO SEEA



It is more than just a matter of the heart that we at Water-i.d.® support every shipowner, ship chandler, ship operator and trader 100% in the issue of banning plastic bottles from every ship in the world.

With knowledge and the relevant test kits we are all at your side. With water treatment builders in the cooperation, we can proceed quickly and efficiently.

Contact us today to see how you can save money and waste after only 6 months!

2 VIKING LIFE SAVING EQUIPMENT



Safety, along with environmental protection, is an extremely important issue for Water-i.d.®.

Therefore, we recommend the products of Viking Life Saving Equipment with a clear conscience. Take a look for yourself at:

<https://www.viking-life.com/en>
(or scan the QR code)



“By **protecting** our oceans,
we are preserving them
for the **next generation**
to enjoy.”

– Benjamin Franklin

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